PRESIDIO COMPONENTS

U.S. Manufacturer of High-Rel Ceramic Capacitors Since 1980

CATALOG 3001 – REV. F – DECEMBER 2021

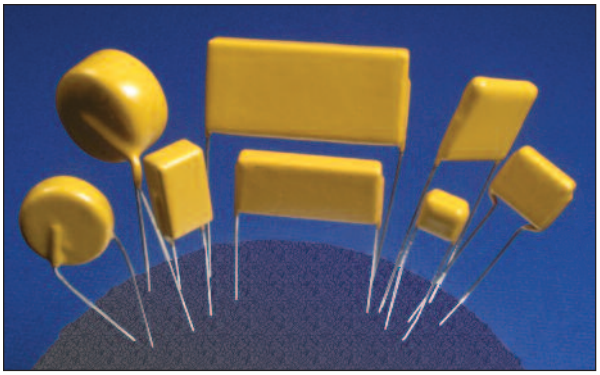
HIGH VOLTAGE CERAMIC CAPACITORS
RADIAL LEADED CAPACITORS
MIL-PRF-49467 CAPACITORS

CATALOG 3001

HIGH-REL INDUSTRIAL

HIGH-REL MILITARY

HIGH-REL SPACE



PRESIDIO COMPONENTS, INC.

FIRST QPL SUPPLIER

TO MIL-PRF-49467

THE HIGH VOLTAGE

CERAMIC CAPACITOR SPECIFICATION

Presidio Components has been an industry leader in the manufacture of ceramic capacitors since 1980. We are dedicated to excellence in manufacturing, process control and customer service. All products are manufactured and tested in our state-of-the-art, 80,000 square foot facility in San Diego, California, allowing for immediate response to your business needs. We have numerous patents, and hundreds of years of combined engineering experience, and we can formulate the right product for your application. At Presidio Components we work hard to build positive, long term relationships with our customers and we will go the extra distance to ensure customer satisfaction.

PRESIDIO PRODUCT LINES

If you have a demanding application, please call the factory. We are easy to reach. Although Presidio Components maintains more than 100 million commercial and military parts in inventory, we can help with multitudes of intermediate sizes, voltages, tolerances, termination finishes, lead-frame styles and more. Some of our specialties include ceramic capacitors for high temperatures, cryogenic temperatures, and pulse discharge applications, as well as high Q dielectric, negative and positive temperature characteristic and piezoelectric ceramic formulations. We also have a series of ceramic capacitors for microwave and RF applications, including wirebondable single layer, wirebondable bypass, and SMD broadband DC blocking caps.

DIVERSE MARKETS

Presidio Components provides ceramic capacitors for high quality commercial, military and space applications. Our customers manufacture products such as aircraft, missile guidance systems, switch mode power supplies, phased array radar, high frequency transponders and receivers, and ring laser gyros.

QPL PRODUCTS & DLA APPROVED TEST LAB

Presidio Components was initially qualified to MIL-PRF-55681 in 1984. Since then we have upgraded our processing line to obtain the highest established reliability rating of “S” level. We are also qualified on two additional space level specifications, MIL-PRF-123 and MIL-PRF-49470 “T” level. And, Presidio Components is proud to be the first QPL supplier to MIL-PRF-49467, the high voltage ceramic capacitor specification. All QPL testing per MIL-STD-202 is done on site at our DLA approved test lab. For a list of environmental test capability, consult the factory.

For more information about Presidio’s products or the name of your local sales representative visit our website at:

www.presidiocomponents.com

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MIL-PRF-49467

MIL-PRF-49467: Per DLA, this specification covers the general requirements for general purpose, ceramic multilayer high voltage capacitors for use in applications where appreciable variations in capacitance with respect to temperature, voltage, frequency, and life can be tolerated (BR and BZ characteristics) or in critical frequency determining applications, timing circuits, and other applications where absolute stability is required (BP characteristic).

Part or Identifying Number (PIN): Capacitors specified herein are identified by a PIN which consists of the basic number of the performance specification and a coded number. The coded number provides information concerning the characteristic, specification sheet number, capacitance, and capacitance tolerance. The PIN is in the following form with the coded number derived as indicated:

Characteristic: The characteristic refers to the voltage temperature limits of the capacitor. The first letter (B) (not shown) identifies the rated temperature range of -55°C to 125°C. The second letter indicates the voltage temperature limits as shown in Table 1.

MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	01	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/1	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

TABLE 1: CHARACTERISTIC

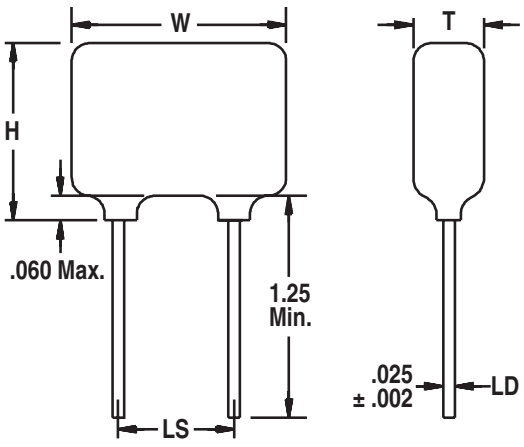
Symbol	Capacitance Change with Reference to +25°C		
	Step A through Step D of Table VII	Rated Voltage	Step E through Step G of Table VII
P	0 ppm/ °C ± 30 ppm/ °C	100%	0 ppm/ °C ± 30 ppm/ °C
R	± 15%	100%	+ 15, – 40%
Z	± 15%	60%	+ 15, – 45%

TABLE 2: CAPACITANCE TOLERANCE

Symbol	Capacitance Tolerance
J	± 5%
K	± 10%
M	± 20%

For more information on military specifications go to DSCC's website at www.dscc.dla.mil.

DIMENSIONS AND CONFIGURATION



Case Codes	Sizes (Max.)			Lead Spacing ± .030 (LS)	Lead Diameter ± .002 (LD)
	Width (W)	Height (H)	Thickness (T)		
A	.250	.220	.200	.170	.025
B	.320	.280	.250	.220	.025
C	.370	.300	.250	.275	.025
D	.470	.400	.270	.375	.025
E	.570	.500	.270	.475	.025
F	.670	.600	.270	.575	.025
G	.770	.720	.270	.675	.025
J	1.250	.600	.270	1.100	.025
K	1.450	.720	.270	1.300	.025
L	.450	.220	.200	.300	.025
M	.450	.220	.270	.300	.025

GROUP A INSPECTION TO MIL-PRF-49467

QUALITY ASSURANCE PROVISIONS

At Presidio Components, all QPL testing per MIL-STD-202 is done on site at our DLA approved test lab.

Every lot undergoes the following inspection and tests:

Thermal Shock — All parts are temperature cycled for 5 cycles to Mil-Std-202 Method 107, Condition A, except that the maximum temperature used is 125°C.

Voltage Conditioning — A voltage bias is applied to all parts at rated voltage and 125°C for 100 hours.

Capacitance — All parts are tested at 25°C and 1VACRMS in accordance with method 305 of Mil-Std 202.

Dissipation Factor (DF) — Shall not exceed 2.5% for BR and BZ dielectric or 0.15% for BP dielectric.

Dielectric Withstanding Voltage (DWV) — All parts rated at 1250V or less are tested at 1.5X rated voltage and parts rated at 1251V or greater are tested at 1.2X rated voltage IAW method 301 of Mil-Std-202.

Insulation Resistance (IR @ 25°C) — All parts are tested at 25°C and 500 volts IAW method 302 of Mil-Std-202. The minimum IR required is 100,000 megohms or 1,000 megohm-microfarads whichever is less.

Percent Defective Allowed (PDA) — The cumulative PDA after voltage conditioning is 10%. Pieces rejected as out of tolerance for capacitance or visual screening will be removed from the lot but not counted in the PDA calculation.

Partial Discharge (Corona) — Inspection shall be performed IAW Appendix B of Mil-PRF-49467 at 42% of rated voltage.

Radiographic Inspection Optional — For molded and encapsulated case types only. All parts will have radiographic inspection performed IAW Mil-STD-202 Method 209.

Visual — Performed on all pieces IAW Presidio internal workmanship criteria.

Mechanical — Level 1 AQL 1% IAW this catalog.

STANDARD PACKAGING

Product will be packaged in individual blister packs.

DATA PACKAGE

Data will be sent with each shipment including:
Certificate of Compliance and attributes test data sheet will be sent with each shipment. The C of C will state compliance to the appropriate specifications.

MIL-PRF-49467 GROUP A INSPECTION

Inspection	Requirement Paragraph	Test Method Paragraph	Sampling Procedure
Subgroup 1			
Thermal Shock	3.6	4.8.2.1	100% Inspection
Voltage Conditioning	3.6	4.8.2.2	
Partial Discharge (Not required for 600V, Slash Sheet 7)	3.10	4.8.6	
Subgroup 2			
Radiograph Inspection 1/	3.24	4.8.20	See Table V
Subgroup 3			
Visual and Mechanical Examination: 2/			
Material	3.4 and 3.4.1		
Physical Dimensions	3.1	4.8.1	13 Samples, 0 Failures
Interface Requirements (other than physical dimensions) 2/	3.5		
Marking 3/	3.25		
Workmanship	3.27		
Subgroup 4			
Solderability 4/	3.13	4.8.9	5 Samples, 0 Failures

1/ Molded and encapsulated case types only, see 3.1. Not applicable to conformal coated parts.
2/ The manufacturer may request the deletion of the visual and mechanical examination provided an in-line or process control system to assure the visual and mechanical requirements are met can be validated and approved by the qualifying activity. Deletion of these examinations does not relieve the manufacturer from meeting these requirements in case of dispute. If the design, material, construction, or processing of the part is changed or if there are any quality problems, the qualifying activity may require resumption of these examinations.
3/ Marking defects are based on visual examination only.
4/ Defective units from subgroups 1 and 2 tests may be used. Parts subjected to this test shall not be delivered. The manufacturer may request the deletion of the subgroup 4 solderability test, provided an in-line or process control system for assessing and assuring the solderability of leads can be validated and approved by the qualifying activity. Deletion of the test does not relieve the manufacturer from meeting this test requirement in case of dispute. If the design, material, construction, or processing of the part is changed or if there are any quality problems, the qualifying activity may require resumption of the test.

MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
600V				
M49467P07100J	10 pF	5%	BP	A
M49467P07100K	10 pF	10%	BP	A
M49467P07120J	12 pF	5%	BP	A
M49467P07120K	12 pF	10%	BP	A
M49467P07150J	15 pF	5%	BP	A
M49467P07150K	15 pF	10%	BP	A
M49467P07180J	18 pF	5%	BP	A
M49467P07180K	18 pF	10%	BP	A
M49467P07220J	22 pF	5%	BP	A
M49467P07220K	22 pF	10%	BP	A
M49467P07270J	27 pF	5%	BP	A
M49467P07270K	27 pF	10%	BP	A
M49467P07330J	33 pF	5%	BP	A
M49467P07330K	33 pF	10%	BP	A
M49467P07390J	39 pF	5%	BP	A
M49467P07390K	39 pF	10%	BP	A
M49467P07470J	47 pF	5%	BP	A
M49467P07470K	47 pF	10%	BP	A
M49467P07560J	56 pF	5%	BP	A
M49467P07560K	56 pF	10%	BP	A
M49467P07680J	68 pF	5%	BP	A
M49467P07680K	68 pF	10%	BP	A
M49467P07820J	82 pF	5%	BP	A
M49467P07820K	82 pF	10%	BP	A
M49467P07101J	100 pF	5%	BP	A
M49467P07101K	100 pF	10%	BP	A
M49467R07101K	100 pF	10%	BR	A
M49467R07101M	100 pF	20%	BR	A
M49467P07121J	120 pF	5%	BP	A
M49467P07121K	120 pF	10%	BP	A
M49467R07121K	120 pF	10%	BR	A
M49467R07121M	120 pF	20%	BR	A
M49467P07151J	150 pF	5%	BP	A
M49467P07151K	150 pF	10%	BP	A
M49467R07151K	150 pF	10%	BR	A
M49467R07151M	150 pF	20%	BR	A
M49467P07181J	180 pF	5%	BP	A
M49467P07181K	180 pF	10%	BP	A
M49467R07181K	180 pF	10%	BR	A
M49467R07181M	180 pF	20%	BR	A
M49467P07221J	220 pF	5%	BP	A
M49467P07221K	220 pF	10%	BP	A
M49467R07221K	220 pF	10%	BR	A
M49467R07221M	220 pF	20%	BR	A
M49467P07271J	270 pF	5%	BP	A
M49467P07271K	270 pF	10%	BP	A
M49467R07271K	270 pF	10%	BR	A
M49467R07271M	270 pF	20%	BR	A
M49467P07331J	330 pF	5%	BP	A
M49467P07331K	330 pF	10%	BP	A
M49467R07331K	330 pF	10%	BR	A
M49467R07331M	330 pF	20%	BR	A
M49467P07391J	390 pF	5%	BP	A
M49467P07391K	390 pF	10%	BP	A
M49467R07391K	390 pF	10%	BR	A
M49467R07391M	390 pF	20%	BR	A
M49467P07471J	470 pF	5%	BP	A
M49467P07471K	470 pF	10%	BP	A
M49467R07471K	470 pF	10%	BR	A
M49467R07471M	470 pF	20%	BR	A
M49467P07561J	560 pF	5%	BP	A
M49467P07561K	560 pF	10%	BP	A
M49467R07561K	560 pF	10%	BR	A
M49467R07561M	560 pF	20%	BR	A
M49467P07681J	680 pF	5%	BP	A
M49467P07681K	680 pF	10%	BP	A
M49467R07681K	680 pF	10%	BR	A
M49467R07681M	680 pF	20%	BR	A
M49467P07821J	820 pF	5%	BP	A
M49467P07821K	820 pF	10%	BP	A
M49467R07821K	820 pF	10%	BR	A
M49467R07821M	820 pF	20%	BR	A
M49467P07102J	1000 pF	5%	BP	A
M49467P07102K	1000 pF	10%	BP	A
M49467R07102K	1000 pF	10%	BR	A
M49467R07102M	1000 pF	20%	BR	A
M49467P07122J	1200 pF	5%	BP	A
M49467P07122K	1200 pF	10%	BP	A
M49467R07122K	1200 pF	10%	BR	A
M49467R07122M	1200 pF	20%	BR	A
M49467P07152J	1500 pF	5%	BP	A
M49467P07152K	1500 pF	10%	BP	A
M49467R07152K	1500 pF	10%	BR	A
M49467R07152M	1500 pF	20%	BR	A
M49467P07182J	1800 pF	5%	BP	A
M49467P07182K	1800 pF	10%	BP	A
M49467R07182K	1800 pF	10%	BR	A
M49467R07182M	1800 pF	20%	BR	A
M49467P07222J	2200 pF	5%	BP	A
M49467P07222K	2200 pF	10%	BP	A
M49467R07222K	2200 pF	10%	BR	A
M49467R07222M	2200 pF	20%	BR	A
M49467P07272J	2700 pF	5%	BP	A
M49467P07272K	2700 pF	10%	BP	A
M49467R07272K	2700 pF	10%	BR	A
M49467R07272M	2700 pF	20%	BR	A
M49467P07332J	3300 pF	5%	BP	A
M49467P07332K	3300 pF	10%	BP	A
M49467R07332K	3300 pF	10%	BR	A
M49467R07332M	3300 pF	20%	BR	A
M49467P07392J	3900 pF	5%	BP	A
M49467P07392K	3900 pF	10%	BP	A
M49467R07392K	3900 pF	10%	BR	A
M49467R07392M	3900 pF	20%	BR	A
M49467P07472J	4700 pF	5%	BP	A
M49467P07472K	4700 pF	10%	BP	A
M49467R07472K	4700 pF	10%	BR	A
M49467R07472M	4700 pF	20%	BR	A
M49467P07562J	5600 pF	5%	BP	A
M49467P07562K	5600 pF	10%	BP	A
M49467R07562K	5600 pF	10%	BR	A
M49467R07562M	5600 pF	20%	BR	A
M49467P07682J	6800 pF	5%	BP	B
M49467P07682K	6800 pF	10%	BP	B
M49467R07682K	6800 pF	10%	BR	A
M49467R07682M	6800 pF	20%	BR	A
M49467P07822J	8200 pF	5%	BP	B
M49467P07822K	8200 pF	10%	BP	B
M49467R07822K	8200 pF	10%	BR	A
M49467R07822M	8200 pF	20%	BR	A
M49467P07103J	0.01 µF	5%	BP	B
M49467P07103K	0.01 µF	10%	BP	B
M49467R07103K	0.01 µF	10%	BR	A
M49467R07103M	0.01 µF	20%	BR	A
M49467P07123J	0.012 µF	5%	BP	B
M49467P07123K	0.012 µF	10%	BP	B
M49467R07123K	0.012 µF	10%	BR	A
M49467R07123M	0.012 µF	20%	BR	A
M49467P07153J	0.015 µF	5%	BP	C
M49467P07153K	0.015 µF	10%	BP	C
M49467R07153K	0.015 µF	10%	BR	A
M49467R07153M	0.015 µF	20%	BR	A
M49467P07183J	0.018 µF	5%	BP	D
M49467P07183K	0.018 µF	10%	BP	D
M49467R07183K	0.018 µF	10%	BR	A
M49467R07183M	0.018 µF	20%	BR	A
M49467P07223J	0.022 µF	5%	BP	D
M49467P07223K	0.022 µF	10%	BP	D
M49467R07223K	0.022 µF	10%	BR	A
M49467R07223M	0.022 µF	20%	BR	A
M49467P07273J	0.027 µF	5%	BP	D
M49467P07273K	0.027 µF	10%	BP	D
M49467R07273K	0.027 µF	10%	BR	A
M49467R07273M	0.027 µF	20%	BR	A
M49467P07333J	0.033 µF	5%	BP	D
M49467P07333K	0.033 µF	10%	BP	D
M49467R07333K	0.033 µF	10%	BR	B
M49467R07333M	0.033 µF	20%	BR	B
M49467P07393J	0.039 µF	5%	BP	D
M49467P07393K	0.039 µF	10%	BP	D
M49467R07393K	0.039 µF	10%	BR	B
M49467R07393M	0.039 µF	20%	BR	B
M49467P07473J	0.047 µF	5%	BP	E
M49467P07473K	0.047 µF	10%	BP	E
M49467R07473K	0.047 µF	10%	BR	B
M49467R07473M	0.047 µF	20%	BR	B
M49467P07563J	0.056 µF	5%	BP	E
M49467P07563K	0.056 µF	10%	BP	E
M49467R07563K	0.056 µF	10%	BR	B
M49467R07563M	0.056 µF	20%	BR	B
M49467P07683J	0.068 µF	5%	BP	E
M49467P07683K	0.068 µF	10%	BP	E
M49467R07683K	0.068 µF	10%	BR	B
M49467R07683M	0.068 µF	20%	BR	B
M49467R07823K	0.082 µF	10%	BR	B
M49467R07823M	0.082 µF	20%	BR	B
M49467R07104K	0.1 µF	10%	BR	C
M49467R07104M	0.1 µF	20%	BR	C
M49467R07124K	0.12 µF	10%	BR	D
M49467R07124M	0.12 µF	20%	BR	D
M49467R07154K	0.15 µF	10%	BR	D
M49467R07154M	0.15 µF	20%	BR	D
M49467R07184K	0.18 µF	10%	BR	D
M49467R07184M	0.18 µF	20%	BR	D
M49467R07224K	0.22 µF	10%	BR	D
M49467R07224M	0.22 µF	20%	BR	D
M49467R07274K	0.27 µF	10%	BR	D
M49467R07274M	0.27 µF	20%	BR	D
M49467R07334K	0.33 µF	10%	BR	E
M49467R07334M	0.33 µF	20%	BR	E
M49467R07394K	0.39 µF	10%	BR	E
M49467R07394M	0.39 µF	20%	BR	E
M49467R07474K	0.47 µF	10%	BR	E
M49467R07474M	0.47 µF	20%	BR	E

CALL PRESIDIO FOR CROSS REFERENCE P/N'S

MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	07	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/7	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
1000V				
M49467P01100J	10 pF	5%	BP	A
M49467P01100K	10 pF	10%	BP	A
M49467P01120J	12 pF	5%	BP	A
M49467P01120K	12 pF	10%	BP	A
M49467P01150J	15 pF	5%	BP	A
M49467P01150K	15 pF	10%	BP	A
M49467P01180J	18 pF	5%	BP	A
M49467P01180K	18 pF	10%	BP	A
M49467P01220J	22 pF	5%	BP	A
M49467P01220K	22 pF	10%	BP	A
M49467P01270J	27 pF	5%	BP	A
M49467P01270K	27 pF	10%	BP	A
M49467P01330J	33 pF	5%	BP	A
M49467P01330K	33 pF	10%	BP	A
M49467P01390J	39 pF	5%	BP	A
M49467P01390K	39 pF	10%	BP	A
M49467P01470J	47 pF	5%	BP	A
M49467P01470K	47 pF	10%	BP	A
M49467P01560J	56 pF	5%	BP	A
M49467P01560K	56 pF	10%	BP	A
M49467P01680J	68 pF	5%	BP	A
M49467P01680K	68 pF	10%	BP	A
M49467P01820J	82 pF	5%	BP	A
M49467P01820K	82 pF	10%	BP	A
M49467P01101J	100 pF	5%	BP	A
M49467P01101K	100 pF	10%	BP	A
M49467R01101K	100 pF	10%	BR	A
M49467R01101M	100 pF	20%	BR	A
M49467P01121J	120 pF	5%	BP	A
M49467P01121K	120 pF	10%	BP	A
M49467R01121K	120 pF	10%	BR	A
M49467R01121M	120 pF	20%	BR	A
M49467P01151J	150 pF	5%	BP	A
M49467P01151K	150 pF	10%	BP	A
M49467R01151K	150 pF	10%	BR	A
M49467R01151M	150 pF	20%	BR	A
M49467P01181J	180 pF	5%	BP	A
M49467P01181K	180 pF	10%	BP	A
M49467R01181K	180 pF	10%	BR	A
M49467R01181M	180 pF	20%	BR	A
M49467P01221J	220 pF	5%	BP	A
M49467P01221K	220 pF	10%	BP	A
M49467R01221K	220 pF	10%	BR	A
M49467R01221M	220 pF	20%	BR	A
M49467P01271J	270 pF	5%	BP	A
M49467P01271K	270 pF	10%	BP	A
M49467R01271K	270 pF	10%	BR	A
M49467R01271M	270 pF	20%	BR	A
M49467P01331J	330 pF	5%	BP	A
M49467P01331K	330 pF	10%	BP	A
M49467R01331K	330 pF	10%	BR	A
M49467R01331M	330 pF	20%	BR	A
M49467P01391J	390 pF	5%	BP	A
M49467P01391K	390 pF	10%	BP	A
M49467R01391K	390 pF	10%	BR	A
M49467R01391M	390 pF	20%	BR	A
M49467P01471J	470 pF	5%	BP	A
M49467P01471K	470 pF	10%	BP	A
M49467R01471K	470 pF	10%	BR	A
M49467R01471M	470 pF	20%	BR	A
M49467P01561J	560 pF	5%	BP	A
M49467P01561K	560 pF	10%	BP	A
M49467R01561K	560 pF	10%	BR	A
M49467R01561M	560 pF	20%	BR	A
M49467P01681J	680 pF	5%	BP	A
M49467P01681K	680 pF	10%	BP	A

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
1000V				
M49467R01681K	680 pF	10%	BR	A
M49467R01681M	680 pF	20%	BR	A
M49467P01821J	820 pF	5%	BP	A
M49467P01821K	820 pF	10%	BP	A
M49467R01821K	820 pF	10%	BR	A
M49467R01821M	820 pF	20%	BR	A
M49467R01102K	1000 pF	10%	BR	A
M49467R01102M	1000 pF	20%	BR	A
M49467P01122J	1200 pF	5%	BP	B
M49467P01122K	1200 pF	10%	BP	B
M49467R01122K	1200 pF	10%	BR	A
M49467R01122M	1200 pF	20%	BR	A
M49467P01152J	1500 pF	5%	BP	B
M49467P01152K	1500 pF	10%	BP	B
M49467R01152K	1500 pF	10%	BR	A
M49467R01152M	1500 pF	20%	BR	A
M49467P01182J	1800 pF	5%	BP	B
M49467P01182K	1800 pF	10%	BP	B
M49467R01182K	1800 pF	10%	BR	A
M49467R01182M	1800 pF	20%	BR	A
M49467P01222J	2200 pF	5%	BP	C
M49467P01222K	2200 pF	10%	BP	C
M49467R01222K	2200 pF	10%	BR	A
M49467R01222M	2200 pF	20%	BR	A
M49467P01272J	2700 pF	5%	BP	C
M49467P01272K	2700 pF	10%	BP	C
M49467R01272K	2700 pF	10%	BR	A
M49467R01272M	2700 pF	20%	BR	A
M49467P01332J	3300 pF	5%	BP	D
M49467P01332K	3300 pF	10%	BP	D
M49467R01332K	3300 pF	10%	BR	A
M49467R01332M	3300 pF	20%	BR	A
M49467P01392J	3900 pF	5%	BP	D
M49467P01392K	3900 pF	10%	BP	D
M49467R01392K	3900 pF	10%	BR	A
M49467R01392M	3900 pF	20%	BR	A
M49467P01472J	4700 pF	5%	BP	D
M49467P01472K	4700 pF	10%	BP	D
M49467R01472K	4700 pF	10%	BR	A
M49467R01472M	4700 pF	20%	BR	A
M49467P01562J	5600 pF	5%	BP	E
M49467P01562K	5600 pF	10%	BP	E
M49467R01562K	5600 pF	10%	BR	B
M49467R01562M	5600 pF	20%	BR	B
M49467Z01562K	5600 pF	10%	BZ	A
M49467Z01562M	5600 pF	20%	BZ	A
M49467P01682J	6800 pF	5%	BP	E
M49467P01682K	6800 pF	10%	BP	E
M49467R01682K	6800 pF	10%	BR	B
M49467R01682M	6800 pF	20%	BR	B
M49467Z01682K	6800 pF	10%	BZ	A
M49467Z01682M	6800 pF	20%	BZ	A
M49467P01822J	8200 pF	5%	BP	E
M49467P01822K	8200 pF	10%	BP	E
M49467R01822K	8200 pF	10%	BR	B
M49467R01822M	8200 pF	20%	BR	B
M49467Z01822K	8200 pF	10%	BZ	A
M49467Z01822M	8200 pF	20%	BZ	A
M49467P01103J	0.01 µF	5%	BP	E
M49467P01103K	0.01 µF	10%	BP	E
M49467R01103K	0.01 µF	10%	BR	B
M49467R01103M	0.01 µF	20%	BR	B
M49467Z01103K	0.01 µF	10%	BZ	A
M49467Z01103M	0.01 µF	20%	BZ	A
M49467P01123J	0.012 µF	5%	BP	F
M49467P01123K	0.012 µF	10%	BP	F

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
1000V				
M49467R01123K	0.012 µF	10%	BR	C
M49467R01123M	0.012 µF	20%	BR	C
M49467Z01123K	0.012 µF	10%	BZ	B
M49467Z01123M	0.012 µF	20%	BZ	B
M49467P01153J	0.015 µF	5%	BP	F
M49467P01153K	0.015 µF	10%	BP	F
M49467R01153K	0.015 µF	10%	BR	C
M49467R01153M	0.015 µF	20%	BR	C
M49467Z01153K	0.015 µF	10%	BZ	B
M49467Z01153M	0.015 µF	20%	BZ	B
M49467P01183J	0.018 µF	5%	BP	F
M49467P01183K	0.018 µF	10%	BP	F
M49467R01183K	0.018 µF	10%	BR	D
M49467R01183M	0.018 µF	20%	BR	D
M49467Z01183K	0.018 µF	10%	BZ	B
M49467Z01183M	0.018 µF	20%	BZ	B
M49467P01223J	0.022 µF	5%	BP	G
M49467P01223K	0.022 µF	10%	BP	G
M49467R01223K	0.022 µF	10%	BR	D
M49467R01223M	0.022 µF	20%	BR	D
M49467Z01223K	0.022 µF	10%	BZ	B
M49467Z01223M	0.022 µF	20%	BZ	B
M49467P01273J	0.027 µF	5%	BP	G
M49467P01273K	0.027 µF	10%	BP	G
M49467R01273K	0.027 µF	10%	BR	C
M49467R01273M	0.027 µF	20%	BR	C
M49467R01333K	0.033 µF	10%	BR	D
M49467R01333M	0.033 µF	20%	BR	D
M49467R01393K	0.039 µF	10%	BR	D
M49467R01393M	0.039 µF	20%	BR	D
M49467R01473K	0.047 µF	10%	BR	D
M49467R01473M	0.047 µF	20%	BR	D
M49467R01563K	0.056 µF	10%	BR	D
M49467R01563M	0.056 µF	20%	BR	D
M49467R01683K	0.068 µF	10%	BR	D
M49467R01683M	0.068 µF	20%	BR	D
M49467R01823K	0.082 µF	10%	BR	E
M49467R01823M	0.082 µF	20%	BR	E
M49467R01104K	0.1 µF	10%	BR	E
M49467R01104M	0.1 µF	20%	BR	E
M49467R01124K	0.12 µF	10%	BR	E
M49467R01124M	0.12 µF	20%	BR	E
M49467R01154K	0.15 µF	10%	BR	E
M49467R01154M	0.15 µF	20%	BR	E
M49467R01184K	0.18 µF	10%	BR	G
M49467R01184M	0.18 µF	20%	BR	G
M49467Z01184K	0.18 µF	10%	BZ	F
M49467Z01184M	0.18 µF	20%	BZ	F
M49467R01224K	0.22 µF	10%	BR	F
M49467R01224M	0.22 µF	20%	BR	F
M49467R01274K	0.27 µF	10%	BR	F
M49467R01274M	0.27 µF	20%	BR	F
M49467R01334K	0.33 µF	10%	BR	G
M49467R01334M	0.33 µF	20%	BR	G
M49467R01394K	0.39 µF	10%	BR	G
M49467R01394M	0.39 µF	20%	BR	G
M49467R01474K	0.47 µF	10%	BR	G
M49467R01474M	0.47 µF	20%	BR	G

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MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	01	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/1	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
2000V				
M49467P02100J	10 pF	5%	BP	A
M49467P02100K	10 pF	10%	BP	A
M49467P02120J	12 pF	5%	BP	A
M49467P02120K	12 pF	10%	BP	A
M49467P02150J	15 pF	5%	BP	A
M49467P02150K	15 pF	10%	BP	A
M49467P02180J	18 pF	5%	BP	A
M49467P02180K	18 pF	10%	BP	A
M49467P02220J	22 pF	5%	BP	A
M49467P02220K	22 pF	10%	BP	A
M49467P02270J	27 pF	5%	BP	A
M49467P02270K	27 pF	10%	BP	A
M49467P02330J	33 pF	5%	BP	A
M49467P02330K	33 pF	10%	BP	A
M49467P02390J	39 pF	5%	BP	A
M49467P02390K	39 pF	10%	BP	A
M49467P02470J	47 pF	5%	BP	A
M49467P02470K	47 pF	10%	BP	A
M49467P02560J	56 pF	5%	BP	A
M49467P02560K	56 pF	10%	BP	A
M49467P02680J	68 pF	5%	BP	A
M49467P02680K	68 pF	10%	BP	A
M49467P02820J	82 pF	5%	BP	A
M49467P02820K	82 pF	10%	BP	A
M49467P02101J	100 pF	5%	BP	A
M49467P02101K	100 pF	10%	BP	A
M49467R02101K	100 pF	10%	BR	A
M49467R02101M	100 pF	20%	BR	A
M49467P02121J	120 pF	5%	BP	A
M49467P02121K	120 pF	10%	BP	A
M49467R02121K	120 pF	10%	BR	A
M49467R02121M	120 pF	20%	BR	A
M49467P02151J	150 pF	5%	BP	A
M49467P02151K	150 pF	10%	BP	A
M49467R02151K	150 pF	10%	BR	A
M49467R02151M	150 pF	20%	BR	A
M49467P02181J	180 pF	5%	BP	A
M49467P02181K	180 pF	10%	BP	A
M49467R02181K	180 pF	10%	BR	A
M49467R02181M	180 pF	20%	BR	A
M49467P02221J	220 pF	5%	BP	A
M49467P02221K	220 pF	10%	BP	A
M49467R02221K	220 pF	10%	BR	A
M49467R02221M	220 pF	20%	BR	A
M49467P02271J	270 pF	5%	BP	A
M49467P02271K	270 pF	10%	BP	A
M49467R02271K	270 pF	10%	BR	A
M49467R02271M	270 pF	20%	BR	A
M49467P02331J	330 pF	5%	BP	A
M49467P02331K	330 pF	10%	BP	A
M49467R02331K	330 pF	10%	BR	A
M49467R02331M	330 pF	20%	BR	A
M49467P02391J	390 pF	5%	BP	B
M49467P02391K	390 pF	10%	BP	B
M49467R02391K	390 pF	10%	BR	A
M49467R02391M	390 pF	20%	BR	A
M49467P02471J	470 pF	5%	BP	B
M49467P02471K	470 pF	10%	BP	B
M49467R02471K	470 pF	10%	BR	A
M49467R02471M	470 pF	20%	BR	A
M49467P02561J	560 pF	5%	BP	B
M49467P02561K	560 pF	10%	BP	B
M49467R02561K	560 pF	10%	BR	A
M49467R02561M	560 pF	20%	BR	A

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
2000V				
M49467P02681J	680 pF	5%	BP	B
M49467P02681K	680 pF	10%	BP	B
M49467R02681K	680 pF	10%	BR	A
M49467R02681M	680 pF	20%	BR	A
M49467P02821J	820 pF	5%	BP	B
M49467P02821K	820 pF	10%	BP	B
M49467R02821K	820 pF	10%	BR	A
M49467R02821M	820 pF	20%	BR	A
M49467P02102J	1000 pF	5%	BP	C
M49467P02102K	1000 pF	10%	BP	C
M49467R02102K	1000 pF	10%	BR	A
M49467R02102M	1000 pF	20%	BR	A
M49467P02122J	1200 pF	5%	BP	C
M49467P02122K	1200 pF	10%	BP	C
M49467R02122K	1200 pF	10%	BR	A
M49467R02122M	1200 pF	20%	BR	A
M49467P02152J	1500 pF	5%	BP	D
M49467P02152K	1500 pF	10%	BP	D
M49467R02152K	1500 pF	10%	BR	A
M49467R02152M	1500 pF	20%	BR	A
M49467P02182J	1800 pF	5%	BP	D
M49467P02182K	1800 pF	10%	BP	D
M49467R02182K	1800 pF	10%	BR	B
M49467R02182M	1800 pF	20%	BR	B
M49467Z02182K	1800 pF	10%	BZ	A
M49467Z02182M	1800 pF	20%	BZ	A
M49467P02222J	2200 pF	5%	BP	D
M49467P02222K	2200 pF	10%	BP	D
M49467R02222K	2200 pF	10%	BR	B
M49467R02222M	2200 pF	20%	BR	B
M49467Z02222K	2200 pF	10%	BZ	A
M49467Z02222M	2200 pF	20%	BZ	A
M49467P02272J	2700 pF	5%	BP	E
M49467P02272K	2700 pF	10%	BP	E
M49467R02272K	2700 pF	10%	BR	B
M49467R02272M	2700 pF	20%	BR	B
M49467Z02272K	2700 pF	10%	BZ	A
M49467Z02272M	2700 pF	20%	BZ	A
M49467P02332J	3300 pF	5%	BP	E
M49467P02332K	3300 pF	10%	BP	E
M49467R02332K	3300 pF	10%	BR	B
M49467R02332M	3300 pF	20%	BR	B
M49467P02392J	3900 pF	5%	BP	E
M49467P02392K	3900 pF	10%	BP	E
M49467R02392K	3900 pF	10%	BR	B
M49467R02392M	3900 pF	20%	BR	B
M49467P02472J	4700 pF	5%	BP	E
M49467P02472K	4700 pF	10%	BP	E
M49467R02472K	4700 pF	10%	BR	C
M49467R02472M	4700 pF	20%	BR	C
M49467Z02472K	4700 pF	10%	BZ	B
M49467Z02472M	4700 pF	20%	BZ	B
M49467P02562J	5600 pF	5%	BP	F
M49467P02562K	5600 pF	10%	BP	F
M49467R02562K	5600 pF	10%	BR	C
M49467R02562M	5600 pF	20%	BR	C
M49467Z02562K	5600 pF	10%	BZ	B
M49467Z02562M	5600 pF	20%	BZ	B
M49467P02682J	6800 pF	5%	BP	F
M49467P02682K	6800 pF	10%	BP	F
M49467R02682K	6800 pF	10%	BR	D
M49467R02682M	6800 pF	20%	BR	D
M49467Z02682K	6800 pF	10%	BZ	B
M49467Z02682M	6800 pF	20%	BZ	B

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
2000V				
M49467P02822J	8200 pF	5%	BP	G
M49467P02822K	8200 pF	10%	BP	G
M49467R02822K	8200 pF	10%	BR	D
M49467R02822M	8200 pF	20%	BR	D
M49467Z02822K	8200 pF	10%	BZ	C
M49467Z02822M	8200 pF	20%	BZ	C
M49467P02103J	0.01 µF	5%	BP	G
M49467P02103K	0.01 µF	10%	BP	G
M49467R02103K	0.01 µF	10%	BR	D
M49467R02103M	0.01 µF	20%	BR	D
M49467Z02103K	0.01 µF	10%	BZ	C
M49467Z02103M	0.01 µF	20%	BZ	C
M49467R02123K	0.012 µF	10%	BR	D
M49467R02123M	0.012 µF	20%	BR	D
M49467R02153K	0.015 µF	10%	BR	D
M49467R02153M	0.015 µF	20%	BR	D
M49467R02183K	0.018 µF	10%	BR	E
M49467R02183M	0.018 µF	20%	BR	E
M49467Z02183K	0.018 µF	10%	BZ	D
M49467Z02183M	0.018 µF	20%	BZ	D
M49467R02223K	0.022 µF	10%	BR	E
M49467R02223M	0.022 µF	20%	BR	E
M49467Z02223K	0.022 µF	10%	BZ	D
M49467Z02223M	0.022 µF	20%	BZ	D
M49467R02273K	0.027 µF	10%	BR	E
M49467R02273M	0.027 µF	20%	BR	E
M49467R02333K	0.033 µF	10%	BR	E
M49467R02333M	0.033 µF	20%	BR	E
M49467R02393K	0.039 µF	10%	BR	F
M49467R02393M	0.039 µF	20%	BR	F
M49467Z02393K	0.039 µF	10%	BZ	E
M49467Z02393M	0.039 µF	20%	BZ	E
M49467R02473K	0.047 µF	10%	BR	F
M49467R02473M	0.047 µF	20%	BR	F
M49467Z02473K	0.047 µF	10%	BZ	E
M49467Z02473M	0.047 µF	20%	BZ	E
M49467R02563K	0.056 µF	10%	BR	G
M49467R02563M	0.056 µF	20%	BR	G
M49467R02683K	0.068 µF	10%	BR	G
M49467R02683M	0.068 µF	20%	BR	G
M49467Z02683K	0.068 µF	10%	BZ	F
M49467Z02683M	0.068 µF	20%	BZ	F
M49467R02823K	0.082 µF	10%	BR	G
M49467R02823M	0.082 µF	20%	BR	G
M49467R02104K	0.1 µF	10%	BR	G
M49467R02104M	0.1 µF	20%	BR	G

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MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	02	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/2	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
3000V				
M49467P03100J	10 pF	5%	BP	B
M49467P03100K	10 pF	10%	BP	B
M49467P03120J	12 pF	5%	BP	B
M49467P03120K	12 pF	10%	BP	B
M49467P03150J	15 pF	5%	BP	B
M49467P03150K	15 pF	10%	BP	B
M49467P03180J	18 pF	5%	BP	B
M49467P03180K	18 pF	10%	BP	B
M49467P03220J	22 pF	5%	BP	B
M49467P03220K	22 pF	10%	BP	B
M49467P03270J	27 pF	5%	BP	B
M49467P03270K	27 pF	10%	BP	B
M49467P03330J	33 pF	5%	BP	B
M49467P03330K	33 pF	10%	BP	B
M49467P03390J	39 pF	5%	BP	B
M49467P03390K	39 pF	10%	BP	B
M49467P03470J	47 pF	5%	BP	B
M49467P03470K	47 pF	10%	BP	B
M49467P03560J	56 pF	5%	BP	B
M49467P03560K	56 pF	10%	BP	B
M49467P03680J	68 pF	5%	BP	B
M49467P03680K	68 pF	10%	BP	B
M49467P03820J	82 pF	5%	BP	B
M49467P03820K	82 pF	10%	BP	B
M49467P03101J	100 pF	5%	BP	B
M49467P03101K	100 pF	10%	BP	B
M49467R03101K	100 pF	10%	BR	B
M49467R03101M	100 pF	20%	BR	B
M49467P03121J	120 pF	5%	BP	B
M49467P03121K	120 pF	10%	BP	B
M49467R03121K	120 pF	10%	BR	B
M49467R03121M	120 pF	20%	BR	B
M49467P03151J	150 pF	5%	BP	B
M49467P03151K	150 pF	10%	BP	B
M49467R03151K	150 pF	10%	BR	B
M49467R03151M	150 pF	20%	BR	B
M49467P03181J	180 pF	5%	BP	B
M49467P03181K	180 pF	10%	BP	B
M49467R03181K	180 pF	10%	BR	B
M49467R03181M	180 pF	20%	BR	B
M49467P03221J	220 pF	5%	BP	B
M49467P03221K	220 pF	10%	BP	B
M49467R03221K	220 pF	10%	BR	B
M49467R03221M	220 pF	20%	BR	B
M49467P03271J	270 pF	5%	BP	B
M49467P03271K	270 pF	10%	BP	B
M49467R03271K	270 pF	10%	BR	B
M49467R03271M	270 pF	20%	BR	B
M49467P03331J	330 pF	5%	BP	B
M49467P03331K	330 pF	10%	BP	B
M49467R03331K	330 pF	10%	BR	B
M49467R03331M	330 pF	20%	BR	B
M49467P03391J	390 pF	5%	BP	B
M49467P03391K	390 pF	10%	BP	B
M49467R03391K	390 pF	10%	BR	B
M49467R03391M	390 pF	20%	BR	B
M49467P03471J	470 pF	5%	BP	B
M49467P03471K	470 pF	10%	BP	B
M49467R03471K	470 pF	10%	BR	B
M49467R03471M	470 pF	20%	BR	B
M49467P03561J	560 pF	5%	BP	B
M49467P03561K	560 pF	10%	BP	B
M49467R03561K	560 pF	10%	BR	B

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
3000V				
M49467R03561M	560 pF	20%	BR	B
M49467P0368J	680 pF	5%	BP	C
M49467P03681K	680 pF	10%	BP	C
M49467R03681K	680 pF	10%	BR	B
M49467R03681M	680 pF	20%	BR	B
M49467P03821J	820 pF	5%	BP	D
M49467P03821K	820 pF	10%	BP	D
M49467R03821K	820 pF	10%	BR	B
M49467R03821M	820 pF	20%	BR	B
M49467P03102J	1000 pF	5%	BP	D
M49467P03102K	1000 pF	10%	BP	D
M49467R03102K	1000 pF	10%	BR	B
M49467R03102M	1000 pF	20%	BR	B
M49467P03122J	1200 pF	5%	BP	D
M49467P03122K	1200 pF	10%	BP	D
M49467R03122K	1200 pF	10%	BR	B
M49467R03122M	1200 pF	20%	BR	B
M49467P03152J	1500 pF	5%	BP	D
M49467P03152K	1500 pF	10%	BP	D
M49467R03152K	1500 pF	10%	BR	B
M49467R03152M	1500 pF	20%	BR	B
M49467P03182J	1800 pF	5%	BP	E
M49467P03182K	1800 pF	10%	BP	E
M49467R03182K	1800 pF	10%	BR	C
M49467R03182M	1800 pF	20%	BR	C
M49467Z03182K	1800 pF	10%	BZ	B
M49467Z03182M	1800 pF	20%	BZ	B
M49467P03222J	2200 pF	5%	BP	E
M49467P03222K	2200 pF	10%	BP	E
M49467R03222K	2200 pF	10%	BR	C
M49467R03222M	2200 pF	20%	BR	C
M49467Z03222K	2200 pF	10%	BZ	B
M49467Z03222M	2200 pF	20%	BZ	B
M49467P03272J	2700 pF	5%	BP	E
M49467P03272K	2700 pF	10%	BP	E
M49467R03272K	2700 pF	10%	BR	D
M49467R03272M	2700 pF	20%	BR	D
M49467Z03272K	2700 pF	10%	BZ	C
M49467Z03272M	2700 pF	20%	BZ	C
M49467P03332J	3300 pF	5%	BP	E
M49467P03332K	3300 pF	10%	BP	E
M49467R03332K	3300 pF	10%	BR	D
M49467R03332M	3300 pF	20%	BR	D
M49467Z03332K	3300 pF	10%	BZ	C
M49467Z03332M	3300 pF	20%	BZ	C
M49467P03392J	3900 pF	5%	BP	F
M49467P03392K	3900 pF	10%	BP	F
M49467R03392K	3900 pF	10%	BR	D
M49467R03392M	3900 pF	20%	BR	D
M49467P03472J	4700 pF	5%	BP	F
M49467P03472K	4700 pF	10%	BP	F
M49467R03472K	4700 pF	10%	BR	D
M49467R03472M	4700 pF	20%	BR	D
M49467P03562J	5600 pF	5%	BP	F
M49467P03562K	5600 pF	10%	BP	F
M49467R03562K	5600 pF	10%	BR	D
M49467R03562M	5600 pF	20%	BR	D
M49467P03682J	6800 pF	5%	BP	G
M49467P03682K	6800 pF	10%	BP	G
M49467R03682K	6800 pF	10%	BR	D
M49467R03682M	6800 pF	20%	BR	D
M49467R03822K	8200 pF	10%	BR	E
M49467R03822M	8200 pF	20%	BR	E

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
3000V				
M49467Z03822K	8200 pF	10%	BZ	D
M49467Z03822M	8200 pF	20%	BZ	D
M49467R03103K	0.01 μF	10%	BR	E
M49467R03103M	0.01 μF	20%	BR	E
M49467R03123K	0.012 μF	10%	BR	E
M49467R03123M	0.012 μF	20%	BR	E
M49467R03153K	0.015 μF	10%	BR	F
M49467R03153M	0.015 μF	20%	BR	F
M49467Z03153K	0.015 μF	10%	BZ	E
M49467Z03153M	0.015 μF	20%	BZ	E
M49467R03183K	0.018 μF	10%	BR	F
M49467R03183M	0.018 μF	20%	BR	F
M49467Z03183K	0.018 μF	10%	BZ	E
M49467Z03183M	0.018 μF	20%	BZ	E
M49467R03223K	0.022 μF	10%	BR	F
M49467R03223M	0.022 μF	20%	BR	F
M49467R03273K	0.027 μF	10%	BR	G
M49467R03273M	0.027 μF	20%	BR	G
M49467Z03273K	0.027 μF	10%	BZ	F
M49467Z03273M	0.027 μF	20%	BZ	F
M49467R03333K	0.033 μF	10%	BR	G
M49467R03333M	0.033 μF	20%	BR	G
M49467R03393K	0.039 μF	10%	BR	G
M49467R03393M	0.039 μF	20%	BR	G
M49467R03473K	0.047 μF	10%	BR	J
M49467R03473M	0.047 μF	20%	BR	J
M49467Z03473K	0.047 μF	10%	BZ	G
M49467Z03473M	0.047 μF	20%	BZ	G
M49467R03563K	0.056 μF	10%	BR	K
M49467R03563M	0.056 μF	20%	BR	K
M49467R03683K	0.068 μF	10%	BR	K
M49467R03683M	0.068 μF	20%	BR	K
M49467R03823K	0.082 μF	10%	BR	K
M49467R03823M	0.082 μF	20%	BR	K

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MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	03	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/3	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
4000V				
M49467P04100J	10 pF	5%	BP	L
M49467P04100K	10 pF	10%	BP	L
M49467P04120J	12 pF	5%	BP	L
M49467P04120K	12 pF	10%	BP	L
M49467P04150J	15 pF	5%	BP	L
M49467P04150K	15 pF	10%	BP	L
M49467P04180J	18 pF	5%	BP	L
M49467P04180K	18 pF	10%	BP	L
M49467P04220J	22 pF	5%	BP	L
M49467P04220K	22 pF	10%	BP	L
M49467P04270J	27 pF	5%	BP	L
M49467P04270K	27 pF	10%	BP	L
M49467P04330J	33 pF	5%	BP	L
M49467P04330K	33 pF	10%	BP	L
M49467P04390J	39 pF	5%	BP	L
M49467P04390K	39 pF	10%	BP	L
M49467P04470J	47 pF	5%	BP	L
M49467P04470K	47 pF	10%	BP	L
M49467P04560J	56 pF	5%	BP	L
M49467P04560K	56 pF	10%	BP	L
M49467P04680J	68 pF	5%	BP	L
M49467P04680K	68 pF	10%	BP	L
M49467P04820J	82 pF	5%	BP	L
M49467P04820K	82 pF	10%	BP	L
M49467P04101J	100 pF	5%	BP	D
M49467P04101K	100 pF	10%	BP	D
M49467R04101K	100 pF	10%	BR	M
M49467R0410M	100 pF	20%	BR	M
M49467P04121J	120 pF	5%	BP	D
M49467P04121K	120 pF	10%	BP	D
M49467R04121K	120 pF	10%	BR	M
M49467R04121M	120 pF	20%	BR	M
M49467P04151J	150 pF	5%	BP	D
M49467P04151K	150 pF	10%	BP	D
M49467R04151K	150 pF	10%	BR	M
M49467R04151M	150 pF	20%	BR	M
M49467P04181J	180 pF	5%	BP	D
M49467P04181K	180 pF	10%	BP	D
M49467R04181K	180 pF	10%	BR	M
M49467R04181M	180 pF	20%	BR	M
M49467P04221J	220 pF	5%	BP	D
M49467P04221K	220 pF	10%	BP	D
M49467R04221K	220 pF	10%	BR	M
M49467R04221M	220 pF	20%	BR	M
M49467P04271J	270 pF	5%	BP	D
M49467P04271K	270 pF	10%	BP	D
M49467R04271K	270 pF	10%	BR	M
M49467R04271M	270 pF	20%	BR	M
M49467P04331J	330 pF	5%	BP	D
M49467P04331K	330 pF	10%	BP	D
M49467R04331K	330 pF	10%	BR	M
M49467R04331M	330 pF	20%	BR	M
M49467P04391J	390 pF	5%	BP	D
M49467P04391K	390 pF	10%	BP	D
M49467R04391K	390 pF	10%	BR	M
M49467R04391M	390 pF	20%	BR	M
M49467P04471J	470 pF	5%	BP	D
M49467P04471K	470 pF	10%	BP	D
M49467R04471K	470 pF	10%	BR	M
M49467R04471M	470 pF	20%	BR	M

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
4000V				
M49467P04561J	560 pF	5%	BP	D
M49467P04561K	560 pF	10%	BP	D
M49467R04561K	560 pF	10%	BR	M
M49467R04561M	560 pF	20%	BR	M
M49467P04681J	680 pF	5%	BP	D
M49467P04681K	680 pF	10%	BP	D
M49467R04681K	680 pF	10%	BR	M
M49467R04681M	680 pF	20%	BR	M
M49467P04821J	820 pF	5%	BP	D
M49467P04821K	820 pF	10%	BP	D
M49467R04821K	820 pF	10%	BR	M
M49467R04821M	820 pF	20%	BR	M
M49467P04102J	1000 pF	5%	BP	D
M49467P04102K	1000 pF	10%	BP	D
M49467R04102K	1000 pF	10%	BR	D
M49467R0410M	1000 pF	20%	BR	D
M49467P04122J	1200 pF	5%	BP	E
M49467P04122K	1200 pF	10%	BP	E
M49467R04122K	1200 pF	10%	BR	D
M49467R04122M	1200 pF	20%	BR	D
M49467P04152J	1500 pF	5%	BP	E
M49467P04152K	1500 pF	10%	BP	E
M49467R04152K	1500 pF	10%	BR	D
M49467R04152M	1500 pF	20%	BR	D
M49467P04182J	1800 pF	5%	BP	E
M49467P04182K	1800 pF	10%	BP	E
M49467R04182K	1800 pF	10%	BR	D
M49467R04182M	1800 pF	20%	BR	D
M49467P04222J	2200 pF	5%	BP	F
M49467P04222K	2200 pF	10%	BP	F
M49467R04222K	2200 pF	10%	BR	D
M49467R04222M	2200 pF	20%	BR	D
M49467P04272J	2700 pF	5%	BP	F
M49467P04272K	2700 pF	10%	BP	F
M49467R04272K	2700 pF	10%	BR	D
M49467R04272M	2700 pF	20%	BR	D
M49467P04332J	3300 pF	5%	BP	G
M49467P04332K	3300 pF	10%	BP	G
M49467R04332K	3300 pF	10%	BR	D
M49467R04332M	3300 pF	20%	BR	D
M49467R04332K	3300 pF	10%	BR	D
M49467R04332M	3300 pF	20%	BR	D
M49467R04392J	3900 pF	5%	BP	G
M49467R04392K	3900 pF	10%	BP	G
M49467R04392K	3900 pF	10%	BR	D
M49467R04392M	3900 pF	20%	BR	D
M49467P04472J	4700 pF	5%	BP	K
M49467P04472K	4700 pF	10%	BP	K
M49467R04472K	4700 pF	10%	BR	E
M49467R04472M	4700 pF	20%	BR	E
M49467P04562K	5600 pF	10%	BP	K
M49467P04562M	5600 pF	20%	BP	K
M49467R04562K	5600 pF	10%	BR	E
M49467R04562M	5600 pF	20%	BR	E
M49467Z04562K	5600 pF	10%	BZ	D
M49467Z04562M	5600 pF	20%	BZ	D
M49467P04682K	6800 pF	10%	BP	K
M49467P04682M	6800 pF	20%	BP	K
M49467R04682K	6800 pF	10%	BR	E
M49467R04682M	6800 pF	20%	BR	E

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
4000V				
M49467R04822K	8200 pF	10%	BR	F
M49467R04822M	8200 pF	20%	BR	F
M49467R04103K	0.01 µF	10%	BR	F
M49467R04103M	0.01 µF	20%	BR	F
M49467R04123K	0.012 µF	10%	BR	G
M49467R04123M	0.012 µF	20%	BR	G
M49467Z04123K	0.012 µF	10%	BZ	F
M49467Z04123M	0.012 µF	20%	BZ	F
M49467R04153K	0.015 µF	10%	BR	G
M49467R04153M	0.015 µF	20%	BR	G
M49467R04183K	0.018 µF	10%	BR	G
M49467R04183M	0.018 µF	20%	BR	G
M49467R04223K	0.022 µF	10%	BR	J
M49467R04223M	0.022 µF	20%	BR	J
M49467Z04223K	0.022 µF	10%	BZ	G
M49467Z04223M	0.022 µF	20%	BZ	G
M49467R04273K	0.027 µF	10%	BR	J
M49467R04273M	0.027 µF	20%	BR	J
M49467R04333K	0.033 µF	10%	BR	K
M49467R04333M	0.033 µF	20%	BR	K
M49467R04393K	0.039 µF	10%	BR	K
M49467R04393M	0.039 µF	20%	BR	K
M49467R04473K	0.047 µF	10%	BR	K
M49467R04473M	0.047 µF	20%	BR	K

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MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	04	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/4	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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MIL-PRF-49467 STANDARD PROFILE

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
5000V				
M49467P05100J	10 pF	5%	BP	M
M49467P05100K	10 pF	10%	BP	M
M49467P05120J	12 pF	5%	BP	M
M49467P05120K	12 pF	10%	BP	M
M49467P05150J	15 pF	5%	BP	M
M49467P05150K	15 pF	10%	BP	M
M49467P05180J	18 pF	5%	BP	M
M49467P05180K	18 pF	10%	BP	M
M49467P05220J	22 pF	5%	BP	M
M49467P05220K	22 pF	10%	BP	M
M49467P05270J	27 pF	5%	BP	M
M49467P05270K	27 pF	10%	BP	M
M49467P05330J	33 pF	5%	BP	M
M49467P05330K	33 pF	10%	BP	M
M49467P05390J	39 pF	5%	BP	M
M49467P05390K	39 pF	10%	BP	M
M49467P05470J	47 pF	5%	BP	M
M49467P05470K	47 pF	10%	BP	M
M49467P05560J	56 pF	5%	BP	M
M49467P05560K	56 pF	10%	BP	M
M49467P05680J	68 pF	5%	BP	M
M49467P05680K	68 pF	10%	BP	M
M49467P05820J	82 pF	5%	BP	M
M49467P05820K	82 pF	10%	BP	M
M49467P05101J	100 pF	5%	BP	M
M49467P05101K	100 pF	10%	BP	M
M49467R05101K	100 pF	10%	BR	M
M49467R05101M	100 pF	20%	BR	M
M49467P05121J	120 pF	5%	BP	M
M49467P05121K	120 pF	10%	BP	M
M49467R05121K	120 pF	10%	BR	M
M49467R05121M	120 pF	20%	BR	M
M49467P05151J	150 pF	5%	BP	M
M49467P05151K	150 pF	10%	BP	M
M49467R05151K	150 pF	10%	BR	M
M49467R05151M	150 pF	20%	BR	M
M49467P05181J	180 pF	5%	BP	M
M49467P05181K	180 pF	10%	BP	M
M49467R05181K	180 pF	10%	BR	M
M49467R05181M	180 pF	20%	BR	M
M49467P05221J	220 pF	5%	BP	M
M49467P05221K	220 pF	10%	BP	M
M49467R05221K	220 pF	10%	BR	M
M49467R05221M	220 pF	20%	BR	M
M49467P05271J	270 pF	5%	BP	M
M49467P05271K	270 pF	10%	BP	M
M49467R05271K	270 pF	10%	BR	M
M49467R05271M	270 pF	20%	BR	M
M49467P05331J	330 pF	5%	BP	E
M49467P05331K	330 pF	10%	BP	E
M49467R05331K	330 pF	10%	BR	M
M49467R05331M	330 pF	20%	BR	M
M49467P05391J	390 pF	5%	BP	E
M49467P05391K	390 pF	10%	BP	E
M49467R05391K	390 pF	10%	BR	M
M49467R05391M	390 pF	20%	BR	M
M49467P05471J	470 pF	5%	BP	F
M49467P05471K	470 pF	10%	BP	F
M49467R05471K	470 pF	10%	BR	M
M49467R05471M	470 pF	20%	BR	M

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
5000V				
M49467P05561J	560 pF	5%	BP	F
M49467P05561K	560 pF	10%	BP	F
M49467R05561K	560 pF	10%	BR	M
M49467R05561M	560 pF	20%	BR	M
M49467P05681J	680 pF	5%	BP	F
M49467P05681K	680 pF	10%	BP	F
M49467R05681K	680 pF	10%	BR	E
M49467R05681M	680 pF	20%	BR	E
M49467P05821J	820 pF	5%	BP	F
M49467P05821K	820 pF	10%	BP	F
M49467R05821K	820 pF	10%	BR	E
M49467R05821M	820 pF	20%	BR	E
M49467P05102J	1000 pF	5%	BP	F
M49467P05102K	1000 pF	10%	BP	F
M49467R05102K	1000 pF	10%	BR	E
M49467R05102M	1000 pF	20%	BR	E
M49467P05122J	1200 pF	5%	BP	F
M49467P05122K	1200 pF	10%	BP	F
M49467R05122K	1200 pF	10%	BR	E
M49467R05122M	1200 pF	20%	BR	E
M49467P05152J	1500 pF	5%	BP	F
M49467P05152K	1500 pF	10%	BP	F
M49467R05152K	1500 pF	10%	BR	E
M49467R05152M	1500 pF	20%	BR	E
M49467P05182J	1800 pF	5%	BP	F
M49467P05182K	1800 pF	10%	BP	F
M49467R05182K	1800 pF	10%	BR	E
M49467R05182M	1800 pF	20%	BR	E
M49467P05222J	2200 pF	5%	BP	G
M49467P05222K	2200 pF	10%	BP	G
M49467R05222K	2200 pF	10%	BR	E
M49467R05222M	2200 pF	20%	BR	E
M49467P05272J	2700 pF	5%	BP	G
M49467P05272K	2700 pF	10%	BP	G
M49467R05272K	2700 pF	10%	BR	F
M49467R05272M	2700 pF	20%	BR	F
M49467Z05272K	2700 pF	10%	BZ	E
M49467Z05272M	2700 pF	20%	BZ	E
M49467P05332J	3300 pF	5%	BP	G
M49467P05332K	3300 pF	10%	BP	G
M49467R05332K	3300 pF	10%	BR	F
M49467R05332M	3300 pF	20%	BR	F
M49467Z05332K	3300 pF	10%	BZ	E
M49467Z05332M	3300 pF	20%	BZ	E
M49467P05392J	3900 pF	5%	BP	K
M49467P05392K	3900 pF	10%	BP	K
M49467R05392K	3900 pF	10%	BR	F
M49467R05392M	3900 pF	20%	BR	F
M49467Z05392K	3900 pF	10%	BZ	E
M49467Z05392M	3900 pF	20%	BZ	E
M49467P05472J	4700 pF	5%	BP	K
M49467P05472K	4700 pF	10%	BP	K
M49467R05472K	4700 pF	10%	BR	F
M49467R05472M	4700 pF	20%	BR	F
M49467Z05472K	4700 pF	10%	BZ	E
M49467Z05472M	4700 pF	20%	BZ	E
M49467R05562J	5600 pF	5%	BP	K
M49467R05562K	5600 pF	10%	BP	K
M49467R05562K	5600 pF	10%	BR	F
M49467R05562M	5600 pF	20%	BR	F

MIL-PRF-49467	Capacitance	Cap. Tolerance	Characteristic	Case
5000V				
M49467Z05562K	5600 pF	10%	BZ	F
M49467Z05562M	5600 pF	20%	BZ	F
M49467R05682K	6800 pF	10%	BR	G
M49467R05682M	6800 pF	20%	BR	G
M49467Z05682K	6800 pF	10%	BZ	F
M49467Z05682M	6800 pF	20%	BZ	F
M49467R05822K	8200 pF	10%	BR	G
M49467R05822M	8200 pF	20%	BR	G
M49467Z05822K	8200 pF	10%	BZ	G
M49467Z05822M	8200 pF	20%	BZ	G
M49467R05103K	0.01 µF	10%	BR	J
M49467R05103M	0.01 µF	20%	BR	J
M49467Z05103K	0.01 µF	10%	BZ	G
M49467Z05103M	0.01 µF	20%	BZ	G
M49467R05123K	0.012 µF	10%	BR	J
M49467R05123M	0.012 µF	20%	BR	J
M49467Z05123K	0.012 µF	10%	BZ	G
M49467Z05123M	0.012 µF	20%	BZ	G
M49467R05153K	0.015 µF	10%	BR	J
M49467R05153M	0.015 µF	20%	BR	J
M49467Z05153K	0.015 µF	10%	BZ	J
M49467Z05153M	0.015 µF	20%	BZ	J
M49467R05183K	0.018 µF	10%	BR	K
M49467R05183M	0.018 µF	20%	BR	K
M49467Z05183K	0.018 µF	10%	BZ	J
M49467Z05183M	0.018 µF	20%	BZ	J
M49467R05223K	0.022 µF	10%	BR	K
M49467R05223M	0.022 µF	20%	BR	K
M49467Z05223K	0.022 µF	10%	BZ	K
M49467Z05223M	0.022 µF	20%	BZ	K
M49457Z05273K	0.027 µF	10%	BZ	K
M49457Z05273M	0.027 µF	20%	BZ	K

CALL PRESIDIO FOR CROSS REFERENCE P/N'S

MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	05	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/5	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

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HIGH VOLTAGE RADIAL LEADED CAPACITORS

X7R AND NPO DIELECTRIC
EPOXY COATED AND UNCOATED RADIAL LEADED CAPACITORS

SPECIFICATIONS:

OPERATING TEMPERATURE RANGE

– 55°C to +125°C
High temperature to 250°C available

TEMPERATURE COEFFICIENT

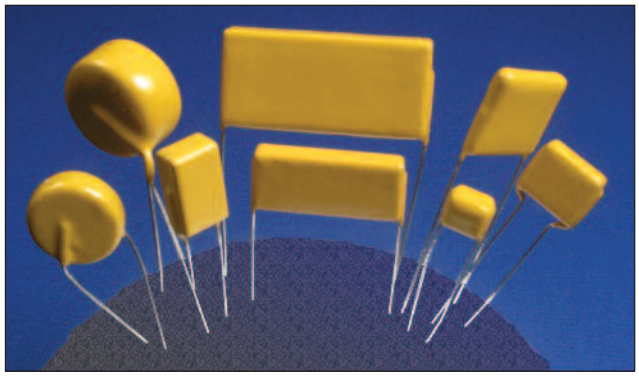
X7R: ± 15% ΔC
NPO: ± 30 ppm/ °C max.

DISSIPATION FACTOR

X7R: 2.5% max.
NPO: < .0015 (.15%)

INSULATION RESISTANCE

NPO/X7R: 1000 ohms x Farad or 100 Gigohms, whichever is less

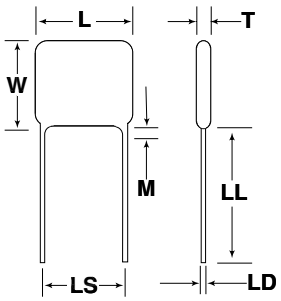


Encapsulated styles also available

DIMENSIONS

SIZE	L (Max.)	W (Max.)	T (Max.)	LL (Min.)	LS (±.032)	LD (±.002)	M (Typ.)
RL1814	0.300	0.200	0.200	1.000	0.200	0.025	0.060
RL1824	0.300	0.300	0.200	1.000	0.200	0.025	0.060
RL2225	0.350	0.300	0.200	1.000	0.250	0.025	0.060
RL2824	0.400	0.300	0.200	1.000	0.300	0.025	0.060
RL3933	0.500	0.400	0.200	1.000	0.400	0.025	0.060
RL4844	0.600	0.500	0.200	1.000	0.500	0.025	0.060
RL5854	0.700	0.600	0.200	1.000	0.600	0.025	0.060
RL6864	0.800	0.700	0.200	1.000	0.700	0.025	0.060
RL9650	1.100	0.600	0.200	1.000	0.980	0.025	0.060
RL13565	1.450	0.720	0.200	1.000	1.375	0.025	0.060

CAP DIMENSIONS



MAXIMUM CAPACITANCE (µF)

SIZE	50V		100V		200V		500V		1000V		2000V		3000V		4000V		5000V	
	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO
RL1814	.80	.018	.42	.012	.18	.0075	.075	.0035	.012	.0010	—	—	—	—	—	—	—	—
RL1824	1.4	.033	.90	.024	.35	.014	.15	.0068	.024	.0020	—	—	—	—	—	—	—	—
RL2225	1.9	.047	1.2	.033	.47	.020	.20	.0090	.032	.0027	.0060	.00050	—	—	—	—	—	—
RL2824	2.2	.056	1.5	.040	.58	.022	.25	.011	.040	.0036	.0080	.00075	.0033	.00025	—	—	—	—
RL3933	4.7	.12	3.0	.085	1.2	.050	.50	.024	.080	.0075	.019	.0017	.0082	.00065	.0039	.00030	—	—
RL4844	8.2	.20	5.6	.14	1.9	.082	.82	.039	.16	.014	.035	.0032	.015	.0013	.0082	.00060	.0056	.00042
RL5854	12	.30	8.2	.21	3.0	.12	1.2	.060	.25	.022	.055	.0050	.027	.0021	.015	.0010	.0082	.00070
RL6864	18	.44	12	.31	4.5	.18	1.8	.085	.35	.030	.082	.0070	.039	.0030	.018	.0015	.012	.0010
RL9650	19	.47	12	.34	5.0	.20	2.0	.095	.39	.033	.10	.0082	.047	.0035	.022	.0018	.015	.0012
RL13565	—	—	—	—	9.0	.36	3.9	.17	.70	.060	.18	.015	.082	.0065	.047	.0035	.033	.0024

HOW TO ORDER

RL	1814	X7R	123	K	9	E	200
PRODUCT CODE	**SIZE CODE**	**DIELECTRIC TYPE**	**CAPACITANCE (IN PICOFARADS)**	**TOLERANCE**	**VOLTAGE**	**CASE**	**LEAD SPACING (LS)**
Radial Leaded	See Above	X7R, NPO	Two significant figures followed by the number of zeros Example: 123 = 12,000 pF = .012 µF	J = ± 5% K = ± 10% M = ± 20% Z = – 20% / +80	2 = 50 V 3 = 100 V 4 = 200 V 6 = 500 V 9 = 1,000 V 11 = 2,000 V 13 = 3,000 V 14 = 4,000 V 15 = 5,000 V	B = Molded Box (Encapsulated) E = Epoxy Coated V = Varnish U = Uncoated	See Above

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HIGH VOLTAGE DISC CERAMIC CAPACITORS

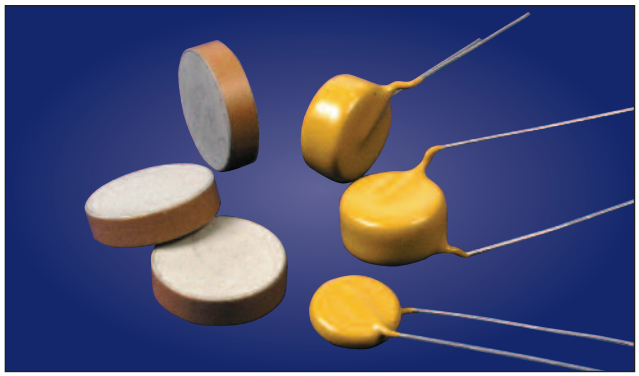
DESCRIPTION:

Disc capacitors are solid ceramic discs of uniform density, metallized on two sides specialty suitable for:

- Blocking, bypass and coupling applications
- DC to RF applications
- High voltages

AVAILABLE AS:

- Discs
- Radial leaded discs
- Leaded and epoxy conformal coated devices
  (Epoxy-coated devices available screened to Mil-PRF-49467)



CAPACITANCE — VOLTAGE RANGE AVAILABLE

	Disc Style	D Max (inches)	S ± .030 (inches)	NPO (pF)		X7R (pF)	
				Min	Max	Min	Max
3,000V	D30	.300	.250	7.8	9.6	250	300
	D40	.400	.250	20	25	630	770
	D50	.500	.375	36	44	1100	1400
	D75	.750	.375	80	98	2500	3100
	D90	.900	.500	120	150	3800	4700
	D100	1.00	.500	150	180	4600	5600
	D120	1.20	.500	190	240	6000	7400
5,000V	D30	.300	.250	4.7	5.7	150	180
	D40	.400	.250	12	15	380	460
	D50	.500	.375	21	26	670	820
	D75	.750	.375	48	59	1500	1800
	D90	.900	.500	74	90	2300	2800
	D100	1.00	.500	87	107	2700	3300
	D120	1.20	.500	120	141	3600	4400
7,500V	D30	.300	.250	3.1	3.8	100	120
	D40	.400	.250	8.1	9.9	250	310
	D50	.500	.375	14	17	450	550
	D75	.750	.375	32	39	1000	1200
	D90	.900	.500	49	60	1500	1900
	D100	1.00	.500	58	71	1800	2200
	D120	1.20	.500	77	94	2400	3000

	Disc Style	D Max (inches)	S ± .030 (inches)	NPO (pF)		X7R (pF)	
				Min	Max	Min	Max
10,000V	D30	.300	.250	2.4	2.9	70	90
	D40	.400	.250	6.1	7.4	190	230
	D50	.500	.375	11	13	330	410
	D75	.750	.375	24	29	750	920
	D90	.900	.500	37	45	1200	1400
	D100	1.00	.500	44	53	1400	1700
	D120	1.20	.500	58	71	1800	2200
15,000V	D30	.300	.250	1.6	1.9	50	60
	D40	.400	.250	4.0	4.9	130	150
	D50	.500	.375	7.1	8.7	220	270
	D75	.750	.375	16	20	500	610
	D90	.900	.500	25	30	770	940
	D100	1.00	.500	29	36	910	1100
	D120	1.20	.500	39	47	1200	1500
20,000V	D30	.300	.250	1.2	1.4	37	45
	D40	.400	.250	3.0	3.7	100	120
	D50	.500	.375	5.3	6.5	170	200
	D75	.750	.375	12	15	380	460
	D90	.900	.500	18	22	580	700
	D100	1.00	.500	22	27	680	830
	D120	1.20	.500	29	35	910	1100

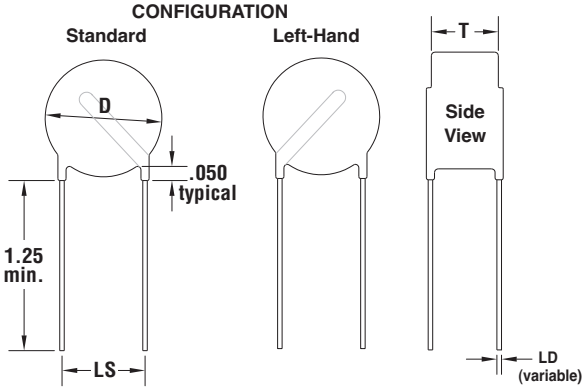
STYLE SPECIFICATIONS (inches)

Style	D (Max)	LS ± .030	Lead Diameter ± .002
D30	.300	.250	.025
D40	.400	.250	.025
D50	.500	.375	.032
D75	.750	.375	.032
D90	.900	.500	.032
D100	1.00	.500	.032
D120	1.20	.500	.032

VOLTAGE VS. THICKNESS (inches)

Voltage	T (Max)
3.0 KV	.150
5.0 KV	.200
7.5 KV	.280
10 KV	.350
15 KV	.450
20 KV	.550
For unleaded discs, only D and T apply	

CONFIGURATION



HOW TO ORDER

RL	D90	X7R	122	K	20	E	500
CONFIGURATION	DISC SIZE	DIELECTRIC TYPE	CAPACITANCE (IN PICOFARADS)	TOLERANCE	VOLTAGE	CASE	LEAD SPACING (LS)
Radial Leaded (delete for unleaded discs)	See Above	NPO, N2T, X7R	Two significant figures followed by the number of zeros Example: 122 = 1200 pF	J = ± 5%, NPO K = 10% M = 20%	9 = 1,000 V 11 = 2,000 V 13 = 3,000 V 14 = 4,000 V 15 = 5,000 V 16 = 6,000 V 17 = 7,000 V 18 = 8,000 V 19 = 9,000 V 20 = 10 KV 21 = 11 KV 22 = 12 KV 23 = 15 KV 24 = 20 KV 25 = 25 KV 30 = 30 KV 40 = 40 KV 50 = 50 KV	E = Epoxy Coated V = Varnish U = Uncoated	.500 inches (delete for unleaded discs)

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HIGH FREQUENCY/HIGH POWER CERAMIC CAPACITORS

TYPE N2200 DIELECTRIC
FOR AC LINE FILTERING OR HIGH POWER RF APPLICATIONS

SPECIFICATIONS

APPLICATIONS:

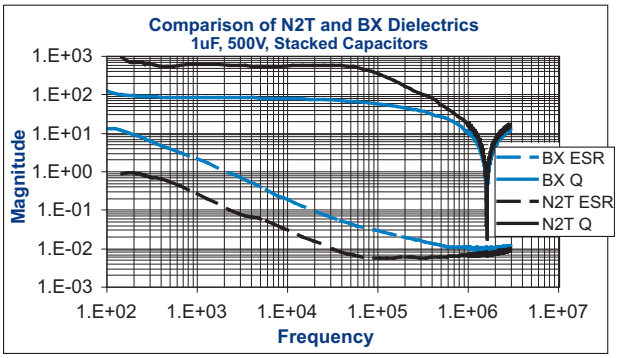
- AC Line filtering, typically from 110-130 volts AC, 80 to 400 Hz
- High power RF at high voltages: 500 volts to 5,000 volts

FEATURES:

- Low dissipation factor (DF)
- Low ESR over a wide frequency range
- Stable capacitance vs frequency
- Low self-heating
- High reliability
- No aging rate

CERAMIC TYPE:

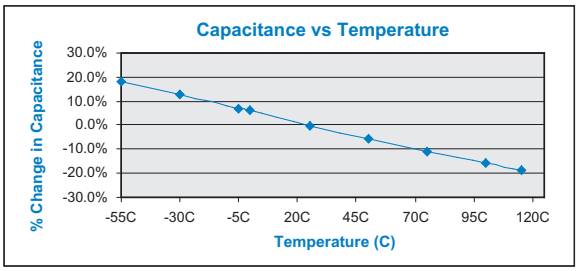
This ceramic is a Type N2200, NTC dielectric. Its advantage is that it combines the high K of an X7R dielectric with the stability of an NPO dielectric. Temperature Coefficient: -2200ppm/C typical.

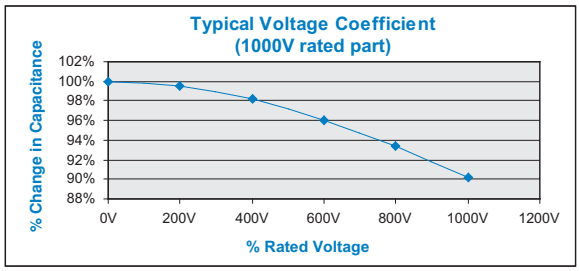


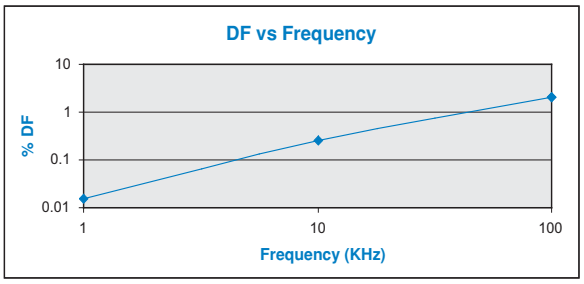
POPULAR PART NUMBERS

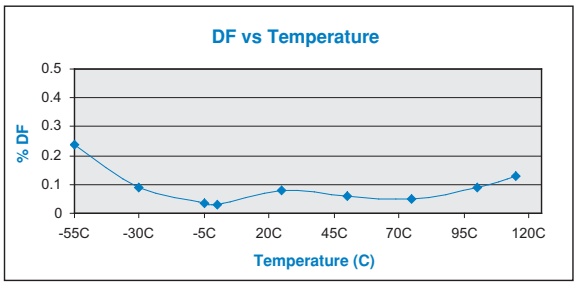
Capacitance	Voltage	Part Number
.068 μF	500 V	RL2422N2T683K6E250
.330 μF	500 V	RL3941N2T334K6E400
1 μF	500 V	S305N2T105K6N4
.050 μF	1000 V	RL3736N2T503K9E375
.015 μF	5000 V	RL8557N2T153K15E850

Capacitors available as radial leaded or stacked
Other sizes available (consult factory)









HOW TO ORDER

Please consult factory with your requirement.
We will direct you to the closest available part.

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TEMPERATURE COMPENSATING CERAMIC CAPACITORS

NEGATIVE TEMPERATURE COEFFICIENT (NTC) RADIAL LEADED

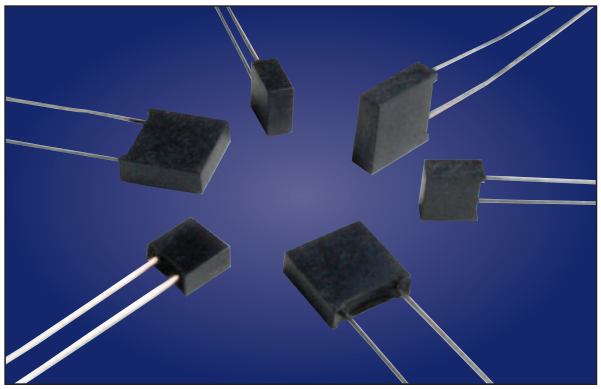
SPECIFICATIONS

MECHANICAL:

Case DAP or molded high temperature Vectra
Leads Solder coated copper clad steel is standard; other types available

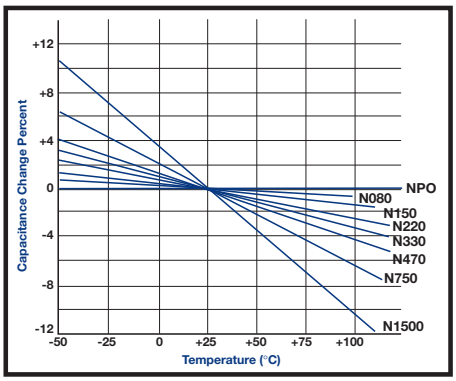
ELECTRICAL:

Capacitance	1 MHz @ 25°C
Dissipation Factor	< .20% @1MHz @ 25°C
Insulation Resistance	> 7500 Megohms @ 25°C > 1000 Megohms @ 125°C



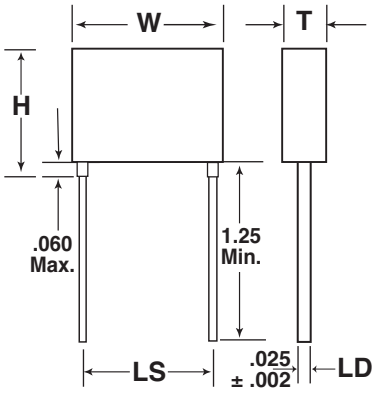
TEMPERATURE COEFFICIENTS

Dielectric Type	Negative Value PPM/°C	Tolerance in PPM/°C
NPO	0	Per EIA -198
N800T	-80	Per EIA -198
N151T	-150	Per EIA -198
N221T	-220	Per EIA -198
N331T	-330	Per EIA -198
N471T	-470	Per EIA -198
N751T	-750	Per EIA -198
N152T	-1500	Per EIA -198
N222T	-2200	Per EIA -198



SIZE TABLE

Case Code	Height (H) Max	Width (W) Max	Thickness (T) Max	Lead Space (LS) ± .030	Lead Diam. (LD) ± .002
RL15	.155	.155	.105	.100	.020
RL20	.200	.200	.100	.100	.020
RL30	.300	.300	.100	.200	.020



MAXIMUM CAPACITANCE RANGE*

Case	50V	100V	200V
RL15	2,200 pF	560 pF	220 pF
RL20	4,700 pF	1,200 pF	470 pF
RL30	12,000 pF	3,900 pF	1,000 pF

*** Valid for any listed temperature coefficient**

HOW TO ORDER

RL20	N151T	221	J	2	B	100
CASE CODE	**DIELECTRIC TYPE**	**CAPACITANCE (IN PICOFARADS)**	**TOLERANCE**	**VOLTAGE**	**CASE**	**LEAD SPACING (LS)**
RL15 RL20 RL30	NPO N331T N800T N471T N151T N751T N221T N152T N222T	Two significant figures followed by the number of zeros Example: 221 = 220 pF	F = 1% (NPO only) G = 2% (NPO only) J = ± 5%	2 = 50 V (STD) 3 = 100 V 4 = 200 V For other values contact factory.	Molded Box	.100 .200

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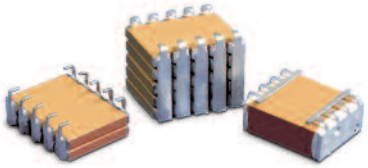
PRESIDIO PRODUCT LINES



STACKS WITH INTERDIGITATED LEADS

PRESIDIO COMPONENTS, INC.

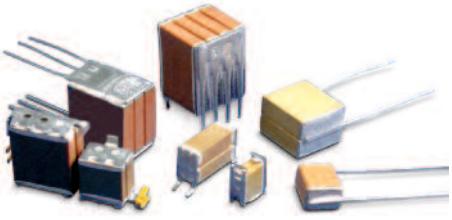
maintains more than 100 million commercial and military parts in inventory. We also offer multitudes of intermediate sizes, voltages, tolerances, termination finishes, lead-frame styles and more.

Some of our specialties include ceramic capacitors for high temperatures, cryogenic temperatures, pulse discharge applications as well as high Q dielectric, negative and positive temperature characteristic and piezoelectric ceramic formulations.

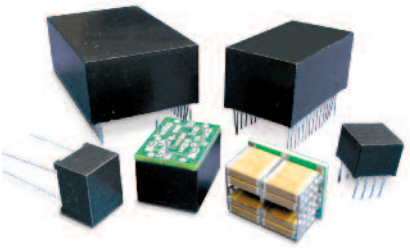
Backed with numerous patents and hundred of years of combined experience, Presidio is well suited to offer a solution to your demanding applications. Please contact our engineering team to discuss your specific needs.

100% U.S. Made, 100% U.S. Owned

'S' LEAD STACKS

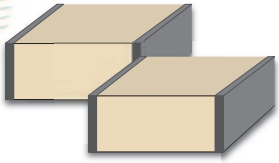


OPTIMIZED STACKED ASSEMBLY

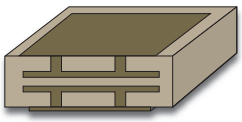


ENCAPSULATED STACKS

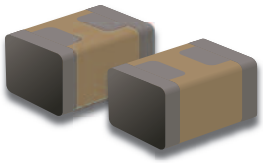
HIGH FREQUENCY HIGH POWER STACKS



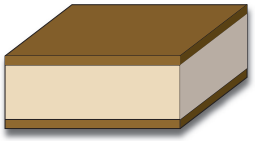
HIGH Q NPO RF CAPACITORS



SMALLEST & BEST IN CLASS WIREBONDABLE SINGLE LAYER



SMD BROADBAND DC BLOCK BB SERIES



WIREBONDABLE BYPASS (VL Series) BROADBAND BYPASS (VB Series)

MAIN PRODUCT CATALOGS

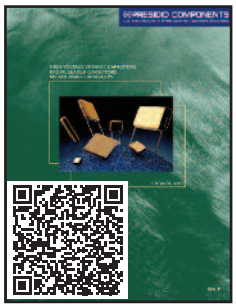
Click Catalog Cover or Scan QR Code to Visit Product Page on Website

SURFACE MOUNT CERAMIC CHIP CAPACITORS

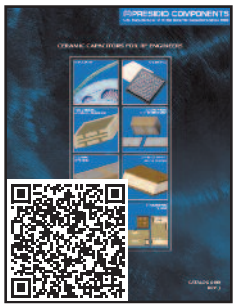
HIGH RELIABILITY EXTENDED RANGE CHIPS FOR SPACE

CERAMIC STACKED CAPACITORS FOR SMPS

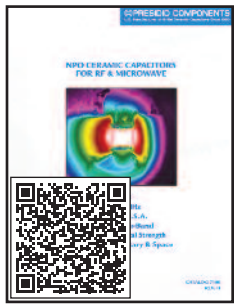
HIGH TEMPERATURE CERAMIC CAPACITORS



HIGH VOLTAGE RADIAL LEADED & MIL-PRF-49467 CERAMIC CAPACITORS



CERAMIC CAPACITORS FOR RF ENGINEERS



HIGH Q NPO CERAMIC CAPACITORS FOR RF & MICROWAVE

PULSE DISCHARGE CERAMIC CAPACITORS

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HIGH VOLTAGE CERAMIC CAPACITORS
RADIAL LEADED CAPACITORS
MIL-PRF-49467 CAPACITORS

CATALOG 3001

HIGH-REL INDUSTRIAL

HIGH-REL MILITARY

HIGH-REL SPACE

Information in this document is subject to change without notice.

CATALOG 3001
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DECEMBER 2021

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