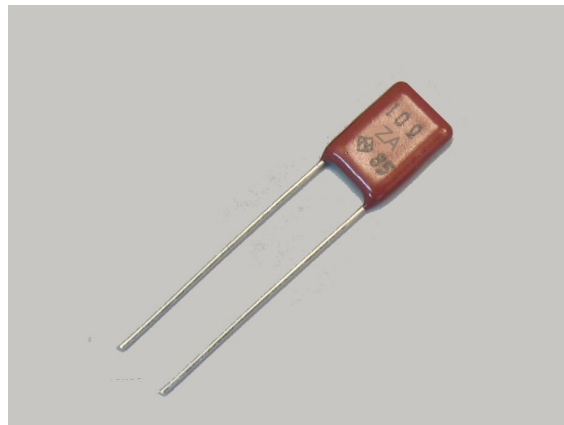


PRECISION THIN FILM RESISTORS

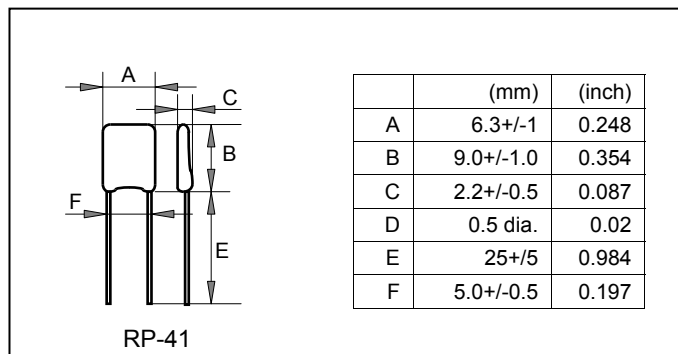
RP-41



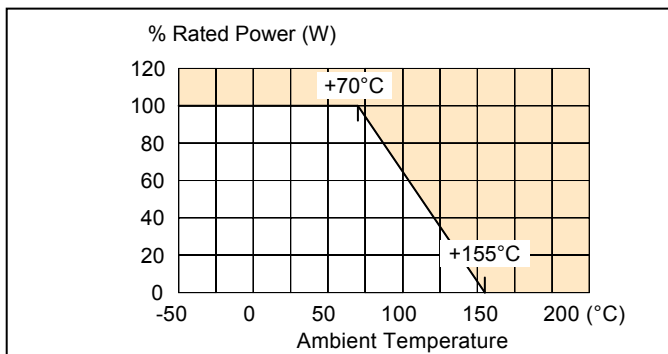
Features and Applications

Radial leded, through-hole 1/2W
 5ppm/C, 0.05% precision long life, Ni-Cr thin film resistors for industrial electronic circuits.
 Date code printing on resistor surface help to perfect trace-ability, long term stability, low noise, wide operating temperature range and low failure rate in feature.
 Application include industrial electronics applications of 5-15-24-48V circuits as industrial machine, measurements, automatic testing, medical and low noise high-ended audio system.

Dimensions (mm)



Derating



Ordering Information

Type RP-41	TCR Z	Resistance 10 k ohm	Tolerance A	Code Z00	Note RoHS, bulk
RP-41	Z (+/-5 ppm/C) E (+/-25 ppm/C)	E96+	< A (+/-0.05 %) < B (+/-0.1 %)	Z00	

Specifications and Performances

	Z-A (5ppm, 0.05%)	E-B (25ppm, 0.1%)	Conditions
Resistance Value	47-100kΩ	47-402kΩ	E96+, E24+
TCR	5ppm/°C	25ppm/°C	
Tolerance	0.05%	0.1%	
Rating Power	0.5W	0.5W	
Rated Ambient Temp.	-55-+70°C	-55-+70°C	
Operating Temp.	-55-+125°C	-55-+155°C	
Storage Temp. Range	-55-+125°C	-55-+155°C	
Max Applied Voltage	500V	500V	
Short Time Overload	+/- 0.10%	+/- 0.10%	2.5 times rated power, 5 seconds.
Load Life	+/- 0.10%	+/- 0.10%	70C, 90min., on, 30min., off, 1000hours
Humidity	+/- 0.25%	+/- 0.25%	40C, 90-95%RH, 90min., on, 30min., off, 1000h.
Temperature Cycle	+/- 0.10%	+/- 0.10%	-55C, 30min., +155C, 30 min., 20 cycles.
Soldering Heat	+/-0.10%	+/-0.10%	4mm portion, 350C, 3 seconds, dipping.
Withstanding Volt.	+/- 0.10%	+/- 0.10%	Old JIS C 5202 5.7 metal brush 500V-60 秒
Terminal Strength	+/- 0.10%	+/- 0.10%	
Insulation Resistance	>10,000MΩ	>10,000MΩ	Old JIS C 5202 5.6 metal block

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