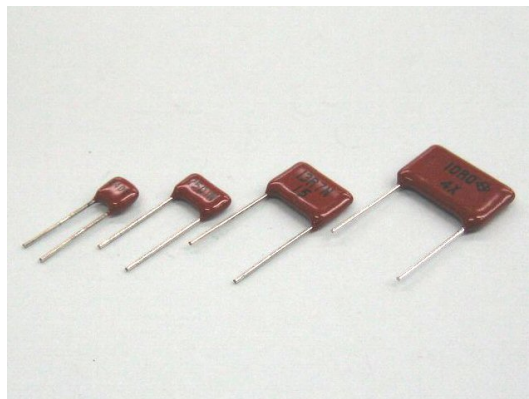


**RADIAL LEADS METAL FILM RESISTORS
RP-84, RP-44, RP-24, RP-14 EB**

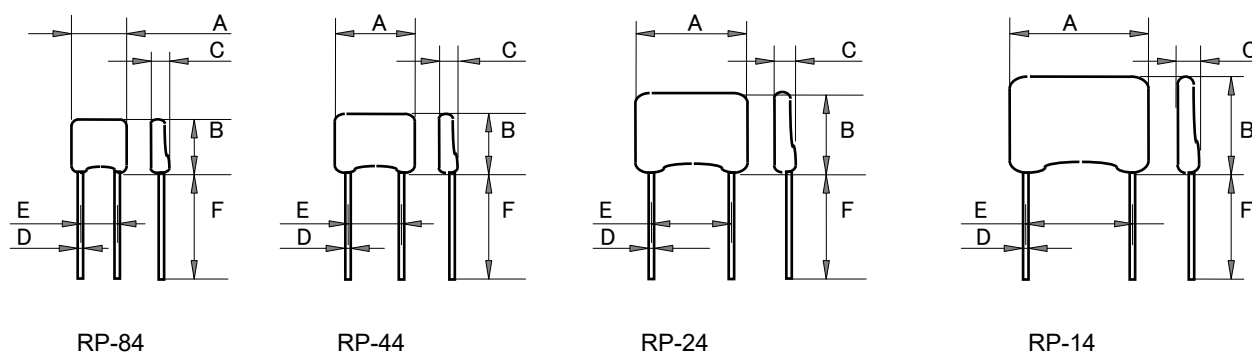


Features and Applications

Radial leaded, long life thin film resistors by the Ni-Cr alloy materials on a high heat conduction alumina substrate with sputtering process. Lead terminal pitches are 2.5mm, 5.0mm, 7.5mm and 10.0mm. Standardized TCR 25ppm/deg C - tolerance +/-0.1% (E-B) - resistance values E96+ and E24+. Rated power is 1/8W, 1/4W, 1/2W, 1W and prepared straight leads specifications, bulk package style only.

Applications include such industrial high reliability electronics as the electric power generation and distribution control, the high-speed train control, communications, industrial power supplies, industrial equipments, semiconductor tests, measurements, medical electronics and professional audio systems.

Dimensions (mm)



Type	A	B	C	D	E	F
RP-84	5.0max	5.0max	2.5max	0.5 dia.	2.5±0.5	10±2
RP-44	7.5max	5.5max	2.5max	0.5 dia.	5.0±0.5	10±2
RP-24	10.0max	7.5max	2.5max	0.5 dia.	7.5±0.5	10±2
RP-14	14.0max	8.5max	2.5max	0.5 dia.	10.0±0.5	10±2

Specifications and Performances

Type	RP-84	RP-44	RP-24	RP-14
Lead Pitch	2.5mm	5.0mm	7.5mm	10.0mm
Rating	1/8W	1/4W	1/2W	1W
Resistance	10-33K	10-180K	10-750K	10-750K
Nominal Value	E24+, E96+	E24+, E96+	E24+, E96+	E24+, E96+
TCR(±)	25ppm(E)	25ppm(E)	25ppm(E)	25ppm(E)
Tolerance(±)	0.1%(B)	0.1%(B)	0.1%(B)	0.1%(B)
Color Coded	NA	NA	NA	NA
Lead Formed	NA	NA	NA	NA
Tape Package	NA	NA	NA	NA
Working Voltages	250V or √(PR)	300V or √(PR)	350V or √(PR)	500V or √(PR)
Rated Amb. Temp.	70°C	70°C	70°C	70°C
Operating Temp.	-55 to +155°C	-55 to +155°C	-55 to +155°C	-55 to +155°C

RADIAL LEADS METAL FILM RESISTORS **RP-84, RP-44, RP-24, RP-14 EB**

Performance

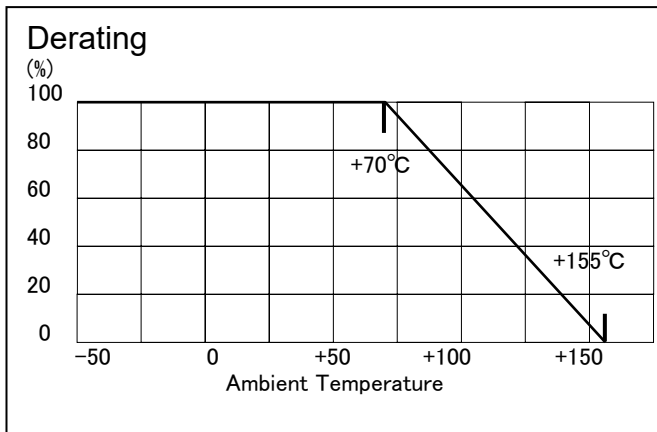
	EB (25ppm, 0.1%)	Test Condition
Short Time Overload	±0.10%	2.5 times rated power, 5 seconds.
Load Life	±0.10%	70 °C, 90min., ON, 30min., OFF, 1000hours
Humidity	±0.25%	40 °C,90-95%RH,90min., ON,30min.,OFF, 1000 hours.
Temperature Cycle	±0.10%	-55 °C, 30min., +155 °C, 30 min., 20 cycles.
Soldering Heat	±0.10%	4mm portion, 350 °C, 3 seconds, dipping.
Withstanding Volt.	±0.10%	Old JIS C 5202 5.7, Metal brush 500V-60sec.
Terminal Strength	±0.10%	
Insulation Resistance	>10,000MΩ	Old JIS C 5202 5.6, Metal solid

Ordering Information

Type	TCR	Resistance	Tolerance	Code	Note
RP-24	E	10kohm	B	Z00	RoHS-Bulk
RP-84	E(25ppm/C)	E96+	B(0.1%)	Z00	RoHS-bulk
RP-44		E24+			
RP-24					
RP-14					

捺印表示 Marking Stamp on Resistors

Type	RP-84ExxxB	RP-44ExxxB	RP-24ExxxB	RP-14ExxxB
Resistance	E24+, E96+	E24+, E96+	E24+, E96+	E24+, E96+
TCR	±25ppm	±25ppm	±25ppm	±25ppm
Tolerance	±0.1%	±0.1%	±0.1%	±0.1%
Marking	9092	9292	9092 51	9092 51



Bulk Pack Specification, Type Z00

100pcs in a plastic pack (PE) with zipper, and 20 plastic bags are put in a larger pack more. a paper label is attached to each pack. (2,000/bag)

Resistance Values, E24+

1.0	1.1	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.7	3.0
3.3	3.6	3.9	4.3	4.7	5.0	5.1	5.6	6.2	6.8	7.5	8.2	9.1

Resistance Values, E96+

1.00	1.21	1.47	1.78	2.15	2.61	3.16	3.83	4.64	5.62	6.81	8.25
1.02	1.24	1.50	1.82	2.21	2.67	3.24	3.92	4.75	5.76	6.98	8.45
1.05	1.27	1.54	1.87	2.26	2.74	3.32	4.02	4.87	5.90	7.15	8.66
1.07	1.30	1.58	1.91	2.32	2.80	3.40	4.12	4.99	6.04	7.32	8.87
1.10	1.33	1.62	1.96	2.37	2.87	3.48	4.22	5.11	6.19	7.50	9.09
1.13	1.37	1.65	2.00	2.43	2.94	3.57	4.32	5.23	6.34	7.68	9.31
1.15	1.40	1.69	2.05	2.49	3.01	3.65	4.42	5.36	6.49	7.87	9.53
1.18	1.43	1.74	2.10	2.55	3.09	3.74	4.53	5.49	6.65	8.06	9.76