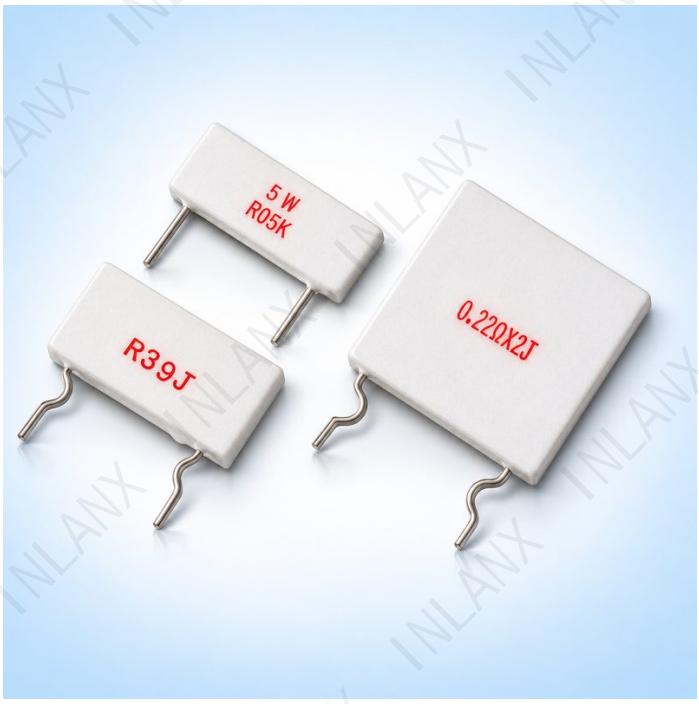
RX27-6 Ceramic Metal Plate Resistors

Product overview

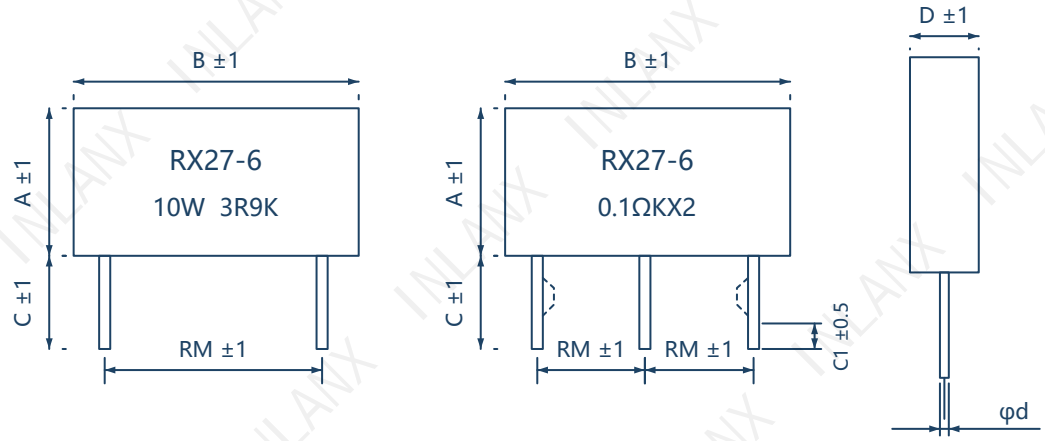
Low-resistance ceramic metal plate resistors, with two-lead single-element and three-lead dual-element arrangements. Power ratings are listed at 70°C; the selection table gives model-specific resistance and dimensions.



Common specifications

Item	Specification
Tolerance	±1%(F), ±5%(J), ±10%(K)
TCR	±250 ppm/°C
Insulation voltage	>700 V
Insulation resistance	≥1 GΩ
Climatic category	25/155/21
Temperature range	-25 to +155°C

Dimension drawing • mm



Left: single-element version; center: dual-element version. Three-lead structure, RM pitch and C1 location are retained from the source.

RX27-6 Ceramic Metal Plate Resistors

Models, resistance and dimensions • mm

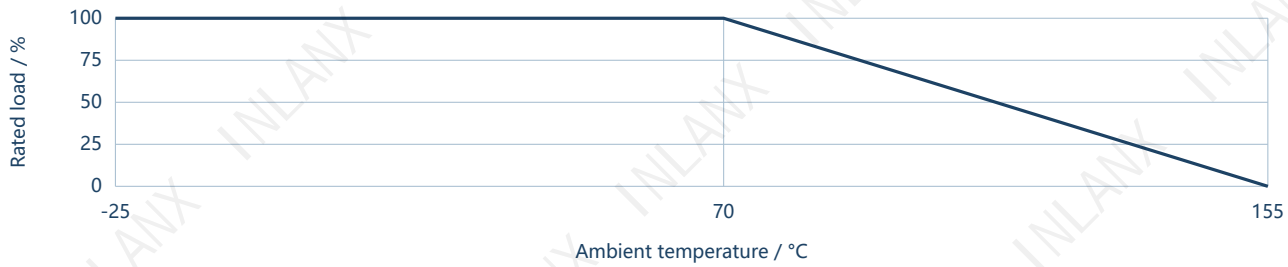
Model	P70 / W	Min. / Ω	Max. / Ω	A±1	B±1	C±1	C1±0.5	D±1	φd	RM±1
RX27-6-2	2	R005	R68	8	13	10		5	0.8	9
RX27-6-3	3	R005	1R	13	13					8
RX27-6-5	5	R005	3R3	18	14					10
RX27-6-5B	5	R005	3R3	10	26					20
RX27-6-7	7	R005	3R3	18	26					20
RX27-6-7B	7	R005	3R3	13	26					20
RX27-6-10	10	R05	3R3	20	26					20
RX27-6-10A	10	R05	3R3	19	26			5.5		20
RX27-6-22B	2+2	R10+R01	R33+R33	10	26	10/14/12	2.5/4/5	5		10
RX27-6-33	3+3	R01+R01	R5+R5	18	26		2.5/4/5			10
RX27-6-33B	3+3	R01+R01	R5+R5	13	26		2.5/4/5			10
RX27-6-55	5+5	R01+R01	1R8+1R8	20	26		2.5/4/5			10

Source codes retained: R005=0.005 Ω, R05=0.05 Ω, R01=0.01 Ω, R10=0.10 Ω, R33=0.33 Ω, R5=0.5 Ω. "+" separates dual elements. C/C1 slash values are preserved without inferring pairings.

Characteristics and tests

Test item	Requirement	Method / condition
Short-time overload	ΔR≤±(1%R+0.05 Ω)	2.5 times rated voltage, 5 s
Load life	ΔR≤±(5%R+0.1 Ω)	P70°C, 1000 h; 1.5 h on/0.5 h off
Damp heat, steady state	ΔR≤±(5%R+0.1 Ω)	40°C, 95% RH, 21 d
Terminal tensile strength	ΔR≤±(1%R+0.05 Ω)	
Soldering heat	ΔR≤±(1%R+0.05 Ω)	350°C, 3.5 s
Solderability	Solder-bath method	IEC 68-2-20 (1968); 235±5°C, 2±0.5 s

Power derating



Redrawn from the catalog derating description: allowable load falls from 100% to 0% as ambient temperature rises from 70°C to 155°C.