

Flame Proof Flat Wire Wound Fixed Resistors

RGJ-Type (RoHS compliant products)

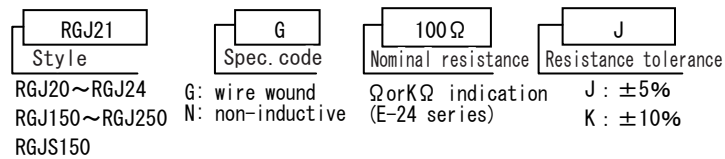
Characteristic

Test items	Test method	Specified value
Resistance temperature charact	Normal – 125°C	<20Ω:±400ppm/°C ≥20Ω:±260ppm/°C
Short-time overload	10 x rated power for 5 sec.	±(2%+0.05Ω)
Insulation resistance	DC 500V megger	20MΩ or higher
Withstanding voltage	AC1000V for single	±(0.1%+0.05Ω) No breakdown
Terminal strength	44N for 30 sec.	No mechanical damage
Moisture load life	40°C 90-95% 1/10 x rated power for 500 hrs.	±(3%+0.05Ω)
Rated load	Rated voltage for 30 min.	350°C or lower ±(0.5%+0.05Ω)
Load life	Rated power for 500 hrs. 1.5 hrs. ON – 0.5 hrs OFF	±(5%+0.05Ω)
Heat resistance	350°C for 2 hrs.	No mechanical damage
Thermal shock	Rated power for 30 min. -55°C for 15 min.	±(2%+0.05Ω)

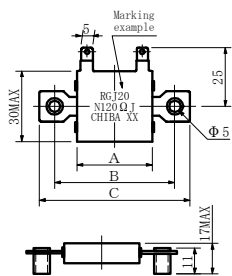
Introduction

A flat plate construction of this resistor allows configuring power load units with multiple resistors stacked up. Special flame proof coating eliminates the danger of fire and melting.

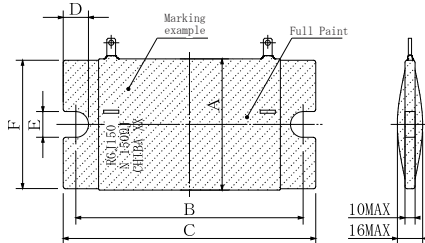
Type descriptions



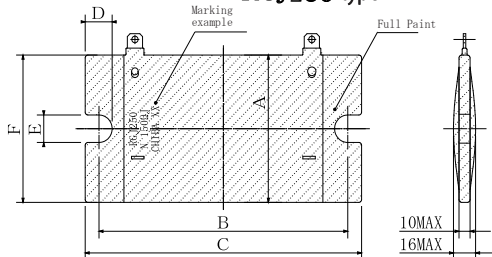
RGJ20~24 type



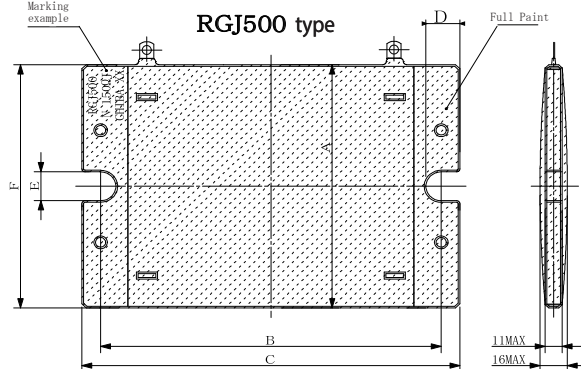
RGJ150 type



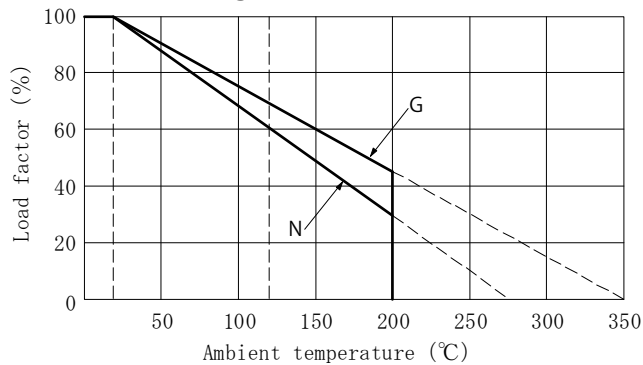
RGJ250 type



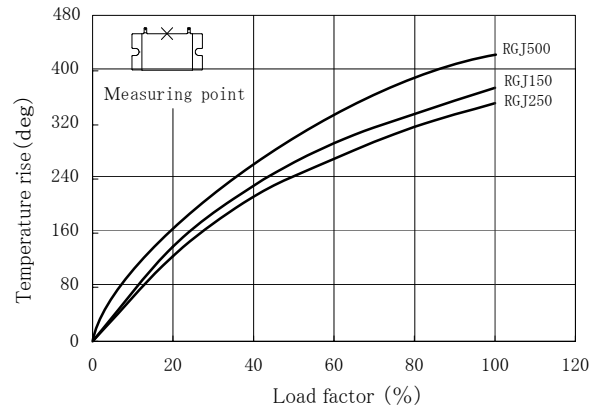
RGJ500 type



Load derating curve



Temperature rise curve (reference)



Dimensions & Resistance range

Style	Power rating (W)		Resistance range(Ω) (*1)		Dimensions (mm)						Weight (g)
	Wire wound	Non-Inductive	Wire wound	Non-Inductive	A	B	C	D	E	F	
RGJ20	21	15	0.56 ~ 5.6K	0.56 ~ 270	32±1.5	51±0.5	64 ^{+2.0} _{-1.5}	—	—	—	27
RGJ21	31	22	1.20 ~ 12.0K	1.20 ~ 1.2K	51±1.5	70±0.5	83 ^{+4.0} _{-1.5}	—	—	—	42
RGJ22	53	37	2.20 ~ 27.0K	2.20 ~ 2.7K	89±1.5	108±0.5	120 ^{+4.0} _{-1.5}	—	—	—	73
RGJ23	68	47	3.30 ~ 39.0K	3.30 ~ 4.7K	120±1.8	140±0.8	153 ^{+4.0} _{-1.5}	—	—	—	98
RGJ24	91	63	4.70 ~ 47.0K	4.70 ~ 5.6K	152±1.8	171±0.8	184 ^{+4.0} _{-1.5}	—	—	—	125
RGJ150	150	110	6.80 ~ 22.0K	6.80 ~ 3.9K	76±3.0	135±2.0	150±3	15±2	14±2	76±3	250
RGJ250	250	150	10.00 ~ 39.0K	10.00 ~ 5.6K	101±3.0	180±2.0	200±4	20±2	19±2	102±3	460
RGJ500	340	240	18.00 ~ 43.0K	7.50 ~ 2.0K	152±3.0	200±3.0	222±4	20±2	19±2	152±3	710

(*1) For wire wound and non-inductive resistors with low resistance (below 56Ω), the J (±5%) tolerance specification may not be ensured in some cases.