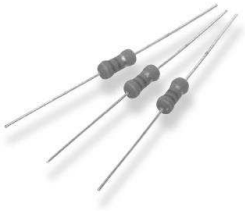


The resistive element comprises a metal oxide film deposited on a ceramic former. The element is protected by a flameproof coating which will withstand overload conditions without flame or mechanical damage. They are recommended for use in applications such as line protection etc

–

Type		Rated Power @ 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstand Voltage	Resistance Range Ω	Operating Temp. Range
Normal Size	ROX025	0.25W	250V	400V	250V	0.3 ~ 50K	-55 ~ 155°C
	ROX05	0.5W	250V	400V	250V	0.3 ~ 330K	
	ROX1	1W	350V	600V	350V	0.1 ~ 470K	
	ROX2	2W	350V	600V	350V	0.1 ~ 560K	
	ROX3	3W	500V	800V	500V	5.0 ~ 100K	
	ROX5	5W	750V	1000V	750V	5.0 ~ 150K	
	ROX7	7W	750V	1000V	750V	20 ~ 150K	
	ROX8	8W	750V	1000V	750V	30 ~ 200K	
	ROX9	9W	750V	1000V	750V	50 ~ 200K	
Small Size	ROX05S	0.5W	250V	400V	250V	0.3 ~ 50K	
	ROX1S	1W	350V	600V	350V	0.1 ~ 270K	
	ROX2S	2W	350V	600V	350V	0.1 ~ 470K	
	ROX3S	3W	350V	600V	350V	0.3 ~ 560K	
	ROX4S	4W	500V	800V	500V	5.0 ~ 100K	
	ROX5SS	5W	500V	800V	500V	5.0 ~ 100K	
	ROX5S	5W	500V	800V	500V	5.0 ~ 560K	

Resistors shall have a rated direct-current (DC) continuous working voltage or an approximate sine-wave root-mean-square (RMS) alternating-current (AC) continuous working voltage at commercial line frequency and waveform corresponding to the power rating , as determined from the following formula :

RCWV = √P x R

Where : RCWV = Rated DC or RMS AC continuous working voltage at commercial-line frequency and waveform (volt)

P = Power Rating (watt)

R = Nominal Resistance (ohm)

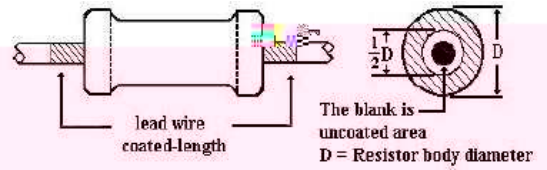
Rated Voltage = RCWV or Max. Working Voltage, whichever is smaller

Characteristics	Specification		Test Methods (JIS C 5201-1)
DC. Resistance	Must be within the specified tolerance		5.1 The limit of error of measuring apparatus shall not exceed allowable range or 5% of resistance tolerance
Temperature Coefficient	Range Ω	TCR (PPM/°C)	5.2 Natural resistance change per temp. degree centigrade.
	л.мΩ ~ мнΩ	±200	$\frac{Ri-Rs}{Rs(ti-ts)} \times 10^6$ (PPM/°C)
	мн.мΩ ~ млнK	±350	
	101K ~ 1M	-700	Rs: Resistance value anQ q32018(an)0

1	Basic Body	Rod Type Ceramics
2	Resistance Film	л.мΩ ≤ R ≤ мнΩ : CNP filY млΩ ≤ R ≤ мллkΩ : Metal oxide filY R > мллkΩ : Carõoý filY
3	End Cap	Steel (Tin plated iron surface)
4	Lead Wire	Annealed copper wire coated with tin
5	Joint	By welding
6	Coating	Normal size: --Insulated & Non-Flame Paint (Color : Gray) Small size: --Insulated & Non-Flame Paint (Color : Sea-Blue)
7	Color Code	Non-Flame epoxy resin

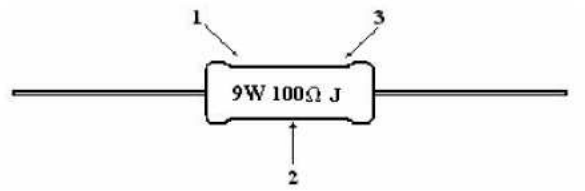
	ROX025	2.5	7.5	0.54	28
	ROX05	3.5	10	0.54	28
	ROX1	5	12	0.70	25
	ROX2	5.5	16	0.70	28

Welding point, terminal and lead wire, is permissible to be exposed without the outer coated cover. The extent should be within 1/2 of the resistor body diameter



For 1/4W, 1/2W, 1W, 2W, 3W, 4W, 5W and all of small size Resistors shall be marked with color coding. colors shall be in accordance with JIS C 0802

For 7W, 8W, 9W marking shall be in text format:



Code description and regulation

1. Wattage rating.
2. Nominal resistance value.
3. Resistance Tolerance.

   G: ± 2 %

   J: ± 5 %

   K: ± 10 %

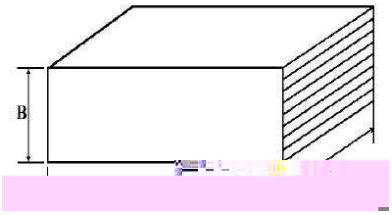
Taping:

	Type	Style	O±1	P	L1-L2	T	Z	R	t	S
Normal Size	ROX025	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX05	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX1	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX2	PT-64	64	10±0.5	1 Max	6±1	1 Max	0	5±1	0.5 max
	ROX3	PT-64	64	10±0.5	1 Max	6±1	1 Max	0	5±1	0.5 max
Small Size	ROX05S	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX1S	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX2S	PT-52	52	5±0.3	1 Max	6±1	1 Max	0	4±1	0.5 max
	ROX3S	PT-64	64	10±0.5	1 Max	6±1	1 Max	0	5±1	0.5 max
	ROX4S	PT-64	64	10±0.5	1 Max	6±1	1 Max	0	5±1	0.5 max
	ROX5SS	PT-64	64	10±0.5	1 Max	6±1	1 Max	0	5±1	0.5 max

Tape in box packing (Ammopack):

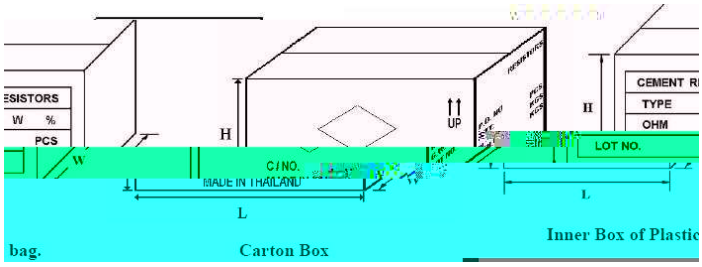
Type	C ± 5	A ± 5

Plastic cases in box:



Type	C ±5	A ±5	B ±5	Quantity	
				Plastic Case	Box
ROX5S	36	20	8	100	1000
ROX5	36	20	8	100	1000

Bulk packaging (plastic bag in inner box):



Type	Qty/Bag (Pcs)	Qty/Box (Pcs)	Qty/Carton Pcs	Box size LxWxH (±5)	Carton size LxWxH (±5)	Gross wt ±2 Kgs
ROX7	8	32	1600	150 x 75 x 33	432 x 308 x 215	9.5
ROX8	8	32	1600	150 x 75 x 33	432 x 308 x 215	11.5
ROX9	10	300	1800	200 x 171 x 113	520 x 215 x 250	15

ROX	1S		J	100K	
ROX – Flame proof power metal oxide film resistor	025 - 1/4W 05 – 1/2W 1 – 1W 2 – 2W 3 – 3W 5 – 5W 7 – 7W 8 – 8W 9 – 9W	05S – 1/2W 1S – 1W 2S – 2W 3S – 3W 4S – 4W 5SS – 5W 5S – 5W	G – 2% J – 5%	R33 -0.33Ω 1R0 - 1Ω 10R - 10Ω 100R - 100Ω 1K0 – 1KΩ (1000Ω) 100K – 100KΩ ó,ллл,лллΩú	BL * – Pre-formed Leads TR - Reeled

Dimensions in millimetres unless otherwise specified

Dimensions Shown for reference purposes only. Specifications subject to change