Zero Ohm Resistors

Coating Type

Normal Style [ZOR Series]

INTRODUCTION

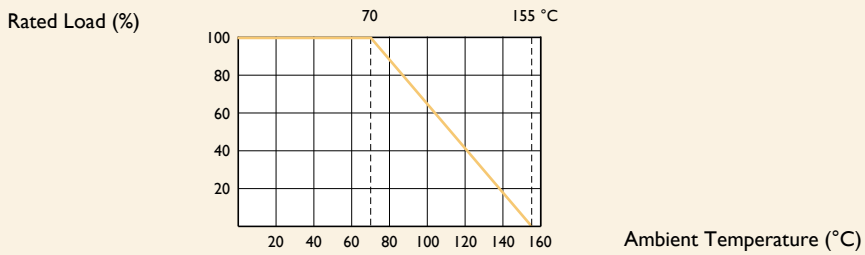
- Similar to a 1/4W resistor (1/6W size also available)
- Ideal for automatic insertion or Cut and Form
- Available in Tape/Reel, Tape/Box and Bulk
- Products meet EU-RoHS requirements

SPECIFICATIONS

Power Rating		1/6W, 1/4W
Maximum Resistance		20mΩ or less
Min. Insulation Resistance	Dry	10,000MΩ
	Wet	100MΩ
Min. Dielectric Withstanding Voltage	Atmospheric	500V RMS
	Reduced	325V RMS
Insulation Flammability		Resistor insulation is self extinguishing within 10 Sec. after externally applied flame is removed
Current Rating		10 AMPS at 70°C for 1/4W 8 AMPS at 70°C for 1/6W

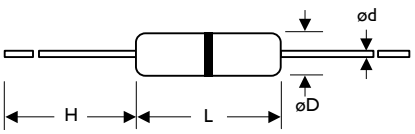
DERATING CURVE

For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve below.



DIMENSIONS

Unit: mm



Single color code: black

STYLE	DIMENSION			
Normal	**L**	**øD**	**H**	**ød**
ZOR-12	3.3±0.4	1.8±0.3	28±2.0	0.45±0.05
ZOR-25	6.3±0.5	2.3±0.3	28±2.0	0.55±0.05

EXPLANATIONS OF ORDERING CODE

MFR	-12	F	T	F	52-	100R
Code 1 - 3 **Series Name** See Index	Code 4 - 6 **Power Rating** -05 = ød0.5mm -06 = ød0.6mm -07 = ød0.7mm -08 = ød0.8mm -10 = ød1.0mm -14 = ød1.4mm -12 = 1/6W -25 = 1/4W 25S = 1/4WS -50 = 1/2W 50S = 1/2WS 100 = 1W 1WS = 1WS 200 = 2W 2WS = 2WS 204 = 0.4W 207 = 0.6W 300 = 3W 3WS = 3WS 3WM = 3WM 400 = 4W 500 = 5W 5WS = 5WS 5SS = 5WSS 700 = 7W 7WS = 7WS 10A = 10W 20A = 20W 30A = 30W 40A = 40W 50A = 50W 10S = 10WS 15A = 15W 25A = 25W 10B = 100W 25B = 250W	Code 7 **Tolerance** P = ±0.02 % A = ±0.05 % B = ±0.1 % C = ±0.25% D = ±0.5 % F = ±1 % G = ±2 % J = ±5 % K = ±10 % - = Base on Spec.	Code 8 **Packing Style** T = Tape/Box R = Tape/Reel B = Bulk	Code 9 **Temperature Coefficient of Resistance** - = Base on Spec. A = ±5 ppm/°C B = ±10 ppm/°C C = ±15 ppm/°C S = ± 20ppm/°C D = ±25 ppm/°C E = ±50 ppm/°C F = ±100 ppm/°C G = ±200 ppm/°C H = ±250 ppm/°C I = ±300 ppm/°C J = ±350 ppm/°C	Code 10 - 12 **Forming Type** 26- = 26mm 52- = 52.4mm 73- = 73mm 81- = 81mm 91- = 91mm F = F Type FK = FK Type FKK = FKK Type FFK = F-form Kink M = M-Type Forming MB = M-form W/flat MT = MT Type Forming MR = MR Type AV = AVIsert PN = PANAsert	Code 13 - 17 **Resistance Value** 0R1 = 0.1 100R = 100 10K = 10,000 10M = 10,000,000

EXCEPTION:

• Cement series:

<Code 8>: Special packing style code

B: Bulk with wirewound or metal oxide sub-assembly for resistance value
W: Bulk with ceramic based wirewound sub-assembly for resistance value
M: Bulk with metal oxide sub-assembly for resistance value
F: Bulk with Fiberglass based wirewound sub-assembly for resistance value

<Code 10-12>: Without forming code

Example: SQP500J**B**-10R

• JPW series:

<Code 13-17>: without resistance value code

Example: JPW-06-T-52-

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FRN25J330R FRN50J1R0S H4100RBYA H415RBZA H41K1BYA H41K5BYA H41M0BDA H420R5BCA H421R5BZA H4221RBYA H424K3BDA H442K2BDA H45K62BZA H4634RBZA H473R2BZA H4931KBZA H8160KFDA H8274KBZA H82K0FDA H82K0FZA H87K5DYA RLR05C6201GS HR01623J HR01682J 270-1.69M-RC LR0204F110R LR0204F18R LR0204F20K LR0204F20R LR0204F510R LR1F121R LR1F133K LR1F383R LR1F3K01 LR1F4K75 LR2F330RJIT LR2F51R LR2F910R ERX-2SZJR20E SQMR74K7J FMF-25FTF52-100K FRN50J100RS FRN50J470RS H4100RBZA H414R3BZA H415KBYA H4174KBZA H4174RBDA H41K21BYA H41K43BDA