ZERO OHM & JUMPER WIRE RESISTORS
ZR Series

RoHS

SPECIFICATIONS (sizes in mm)

Construction	Part Number	L	D	H	d	Ammo	Reel
Jumper Wire	ZR25*-0R0-W	61.5 ± 1			0.6 ± 0.05	5,000	5,000
Ceramic	ZR25*-0R0-C	6.5 ± 0.3	3 ± 0.2	25	0.6 ± 0.05	5,000	5,000
Ceramic	ZR12*-0R0-C	3.8 ± 0.5	2 ± 0.2	25	0.5 ± 0.05	5,000	5,000
Metal	ZR25*-0R0-M	6.5 ± 0.3	3 ± 0.2	25	0.5 ± 0.05	5,000	5000

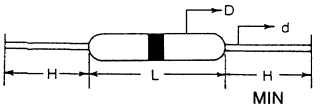
Note: *ZR25*-0R0-M is special order only

* "R" for Tape & Reel, "A" for Tape & Ammo

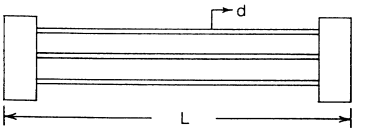
ELECTRICAL CHARACTERISTICS

Test	Test Method	Limits
Resistance		0.01 ohm max.
Operating Temperature		-55°C to +155°C
Max Current		25 amps @ +25°C (ZR25)
Max Working Voltage		300 Vdc
Max Overload Voltage		600 Vdc
Temperature Coefficient		(PPM/°C) 0 to -100 PPM
Short Time Overload	Apply 2.5 times the rated voltage for 5sec.	No visible damage
Load	1000 hrs. at 70°C a direct voltage applied, cycles of 1.5 hrs. on and .5 hrs. off throughout test.	DR=0.5%
Temperature Cycling	5 cycles of 30 min. duration at the extremes of temp. range, max. and min., measurements of ohmic value 4 hrs. after completion of test.	DR=0.5%
Dielectric Strength	Using a 90° "V" shaped conductive block, applying 100V min., increasing 100V/sec. for 5 sec.	DR=0.5%
Humidity	350 hrs. at 40°C, 90 to 95% Rh	DR=0.5%
Solderability	Dipped in Sn/Pb(60/40) at 235°C, 5 sec. 1.5mm from the body.	95% f of tested surface covered
Vibration	By MIL STD. 202, 201A	
Terminal Strength	Traction, applied 2.5 kg. for 10 sec. Bends, 2 bends 90° applying load to terminals of 0.5 kg. Twist 2 successive turns 180°, 6 mm from body.	No visible damage
Resistance To Solvents	Trichlorethylene, TMC as the most aggressive for 60 sec. at boiling point.	No visible damage

ZR25-0R0-C / ZR12-0R0-C / ZR25-0R0-M



ZR25-0R0-W



•Also available in Surface Mount, see RM series.

TAPE, REEL & AMMO SPECIFICATIONS

Body Diameter	Size Code	A	B	C	D	E	H
< 5mm	T-52	52±1	5±0.5	4.0 min.	0.8 max.	1.2 max.	6±1
>5mm	T-52	52±1	10±0.5	4.0 min.	0.8 max.	1.2 max.	6±1
	T-73	73±1