

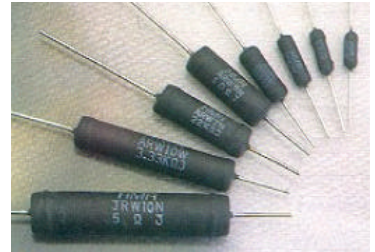
PWR PRECISION POWER FIXED WIRE-WOUND RESISTORS

- COMPLETE WELDED CONSTRUCTION
- TOLERANCE FROM +-0.05%
- HIGH TEMPERATURE RESISTANT SILICONE COATING
- SPECIAL MATCHING AVAILABLE (TCR AND TOLERANCE)

- WIDE RESISTANCE RANGE: 0.1ohm - 100kohm
- AVAILABLE ON TAPE: 1W TO 3W
- AVAILABLE IN NON-INDUCTIVE STYLE (TYPE N)

SPECIFICATIONS

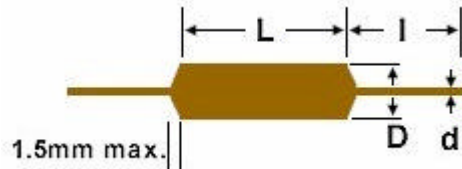
Model	Power Rating [W]	Max. Working Voltage [V]	Resistance Range [ohms]		Tolerance
			W Note1	N Note 2	
PWR 0.5	0.5	20	0.1 - 3K	0.1 - 1.5K	A(+0.05%) B(+0.1%) C(+0.25%) D(+0.5%) F(+1%) G(+2%)
PWR 1	1	50	0.1 - 8K	0.1 - 3K	
PWR 2	2	100	0.1 - 10K	0.1 - 4K	
PWR 3	3	200	0.1 - 18K	0.1 - 9K	
PWR 5	5	400	0.1 - 35K	0.1 - 17K	
PWR 7	7	450	0.1 - 50K	0.1 - 25K	
PWR 10S	10	700	0.1 - 70K	0.1 - 35K	
PWR 10L	10	800	0.1 - 100K	0.1 - 50K	



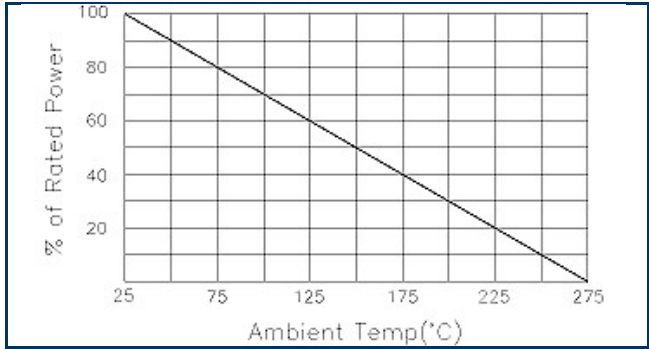
Note 1: Inductive, Note 2: Non-inductive

DIMENSIONS

Model	Dimensions [mm]			
	D+-0.8	L+-1.5	d+-0.02	l+-1
PWR 0.5	3.30	10.0	0.7	37
PWR 1	4.00	12.0	0.8	37
PWR 2	4.70	13.8	0.8	35
PWR 3	5.90	15.7	0.8	35
PWR 5	8.52	22.5	0.8	44
PWR 7	8.52	24.5	0.8	44
PWR 10S	8.52	39.2	0.8	35
PWR 10L	10.5	46.2	0.8	33



DERATING CURVE & ORDERING PROCEDURE EXAMPLE



PWR 1	W	100ohm	F	T
Model	Winding Method Note1	Resistance	Resistance Tolerance	Package Type Note2
Note1		Note2		
W: Inductive N: Non-inductive		T: Taping B: bulk		

CHARACTERISTICS

Test	Conditions
Load Life	+- (0.5%+0.05ohm) Power Rating 90min-ON, 30min-OFF, 2000 hr.
Temperature Coefficient	-0.99ohm: +-90ppm/C; 1-9.9ohm: +-50ppm/C; 10ohm+: +-20ppm/C
Thermal Shock	+- (0.2%+0.05ohm) -65C(30min.), 25C, 150(30min.), 25C, 5cycle
Short Time Overload	+- (0.2%+0.05ohm) See Note 1
Dielectric Strength	+- (0.1%+0.05ohm) 500VAC, 1 min.
Low Temp. Storage	+- (0.2%+0.05ohm) -65C for 24 hr.
High Temp. Exposure	+- (0.5%+0.05ohm) 275C for 2 hr.
Terminal Strength	+- (0.1%+0.05ohm) 4.5kg for 10sec.
Insulation Resistance	1Gohm min. dry. DC500V, 1min.
Solderability	95% coverage min230C for 5 sec.

Note 1: 1W-3W: 5 Times rated power for 5 sec. 5W-10W: 10 Times rated power for 5 sec.