



WIREWOUND RESISTOR, ALUMINUM ENCASED

ELECTRICAL CHARACTERISTICS

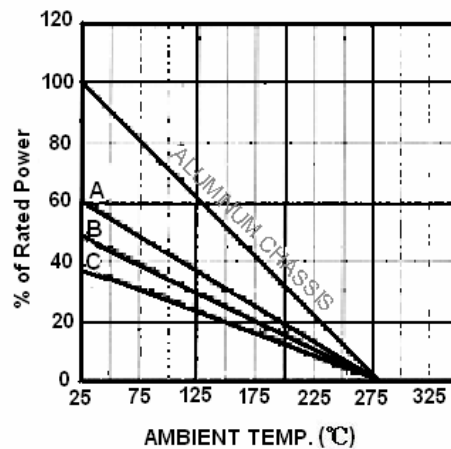
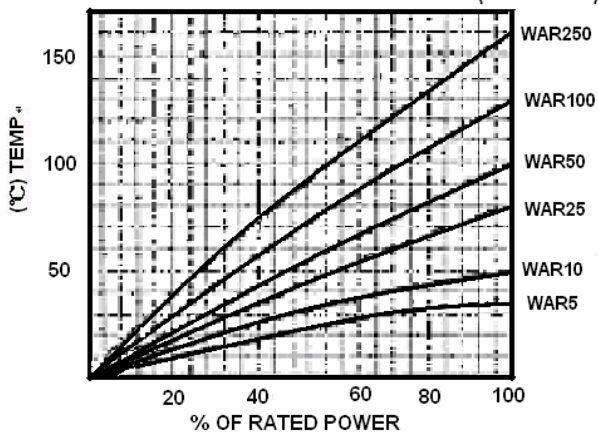
Type	MIL Style	Wattage Rating	Resistance Range (Ω)		MAX Working (V)		(g) MAX Weight	proper heat sink (aluminum chassis)
			WAR	WARN	WAR	WARN		
WAR- 5	RE60	5W	0.05 ~ 3k	0.1~1k	120	70	3	152X102X51X1t
WAR- 10	RE65	10W	0.02 ~ 6k	0.03~2.3k	245	180	7	152X102X51X1t
WAR- 25	RE70	25W	0.012~15k	0.02~5.5k	500	300	15	178X127X51X1t
WAR- 50	RE75	50W	0.01 ~40k	0.02~12k	1300	600	33	305X305X1.5t
WAR-100	RE77	100W	0.4 ~50k	0.12~25k	1900	1340	450	305X305X3t
WAR-250	RE80	250W	0.6 ~80k	0.15~40k	2500	1750	800	305X305X3t

PERFORMANCE CHARACTERISTICS

Parameters	Test Conditions	Specifications
Short Time Overload	5x wattage rating-5sec.	$\Delta R \pm (0.5\% + 0.05\Omega)$ MAX
Moisture Resistance	Temp. 40°C moisture 95% DC 100V 500Hr	$\Delta R \pm (0.5\% + 0.05\Omega)$ MAX
Moisture Load Life	Temp. 40°C moisture 95% 1/10 x wattage rating (1.5Hr ON - 0.5Hr OFF) - Repeat 1000Hr	$\Delta R \pm (0.5\% + 0.05\Omega)$ MAX
Load Life	Load Rating (chassis is mounted) (1.5Hr ON-0.5Hr OFF) Repeat 1000Hr	$\Delta R \pm (1.5\% + 0.05\Omega)$ MAX
Vibration	10c/s~50c/s~10c/s (1min) 2Hr each of paralleled and right angle	$\Delta R \pm (0.2\% + 0.05\Omega)$ MAX
Heat Resistance	275°C 2Hr	$\Delta R \pm (0.5\% + 0.05\Omega)$ MAX
Dielectric Strength	1000V for WAR-5, WAR-10, WAR-25 1500V for WAR-50 2500V for WAR-100, WAR-250	$\Delta R \pm (0.2\% + 0.05\Omega)$ MAX
Insulation Resistance	Under the same test condition of Dielectric Strength, Load DC 500V and measure the Insulation R.	1000M Ω min
Terminal Strength	1. Pull Test (30 sec Min): 1kg for WAR-5, 2.3kg for WAR-10, 4.5kg for WAR-25, WAR-50 2. Torque Test (5~15sec): 27kg-cm for WAR-100, 36kg-cm for WAR-250	$\Delta R \pm (0.2\% + 0.05\Omega)$ MAX

DERATING

SURFACE TEMPERATURE VS. POWER LOAD (on Chassis)



Derating is required to reduce chassis mounting area and for high ambient temperature curve

A=5 & 10 watt units, unmounted
B=25 watt units, unmounted
C= 50, 100 & 250 watt units, unmounted