



WIRE WOUND RESISTOR, CEMENT ENCASED

ELECTRICAL CHARACTERISTICS

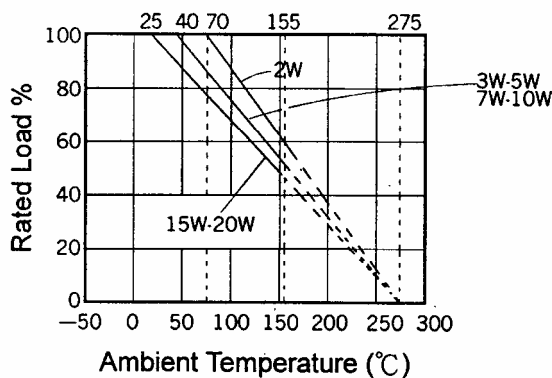
TYPE	WCR200	WCR300	WCR500	WCR700	WCR10W	WCR10W
	WCR300S	WCR500S	WCR700S	WCR10WS	WCR15WS	WCR15WS
Operating Temperature Range	-55°C ~ +155°C					
Max. Working Voltage	250V	350V	350V	500V	500V	500V
Max. Overload Voltage	500V	700V	700V	1000V	1000V	1000V
Dielectric Withstanding Voltage (AC)	500V	700V	700V	1000V	1000V	1000V
Temperature Coefficient	±300ppm/°C					

PERFORMANCE CHARACTERISTICS:

TEST ITEM	TEST CONDITIONS	MAX. RES. CHANGE
Short Time Overload	2.5 times RCWV* for 5 seconds (JIS-C-5202 5.5)	±(2%+0.05 Ω)
Dielectric Withstanding Voltage	in V-Block for 60 seconds (JIS-C-5202 5.7)	--
Temperature Coefficient	-55°C ~ +155°C (JIS-C-5202 5.2)	Max. 300PPM/°C
Insulation Resistance	in V-Block (JIS-C-5202 5.6)	≥ 1000 MΩ
Solderability	235°C for 5±0.5 seconds (JIS-C-5202 6.5)	95% min. coverage
Resistance to Solvent	Trichroethance for 1min. (JIS-C-5202 6.9)	no deterioration
Terminal Strength	Direct load for 10 sec. in the direction of the terminal leads	≥ 2.5KG/24.5N
Pulse Overload	4 times RCWV 10,000 cycles (1 sec. on, 25 sec. off) (JIS-C-5202 5.8)	±(2%+0.05 Ω)
Moisture-proof Load Life	40±2°C, 90~95% RH at RCWV for 1000 hrs (1.5 hrs. on, 0.5 hrs. off) (JIS-C-5202 7.9)	±(5%+0.05 Ω)
Load Life	70°C at RCWV for 1000 hrs. (1.5 hrs. on, 0.5 hrs. off) (JIS-C-5202 7.10)	±(5%+0.05 Ω)
Soldering Heat	350±10°C for 3±0.5 sec. (JIS-C-5202 6.4)	±(1%+0.05 Ω)

* Rated continuous Working Voltage (RCWV) = power rating × resistance value

DERATING CURVE



TEMPERATURE RISE

