

# RESISTORS

## WCR SERIES

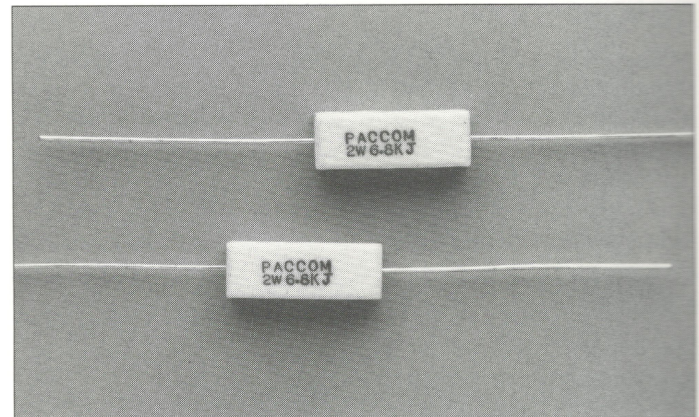
### WIRE WOUND CEMENT

#### DESCRIPTION

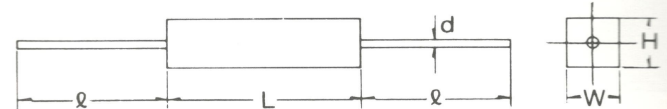
These are the most fail-safe power resistors combining welded end caps pressed on specially treated fiberglass or ceramic cores wrapped by nickel-chromium resistance wire. Encapsulated in a fireproof housing, the material and construction techniques ensure excellent flame and moisture resistance. Being the smallest and safest of all power type resistors, the WCR series enjoys all applications where power handling is required.

#### CHARACTERISTICS

REQUIREMENTS	CHARACTERISTICS
Temperature Coefficient	$\pm 300\text{PPM}/^{\circ}\text{C}, <20$ — $400\text{PPM}/^{\circ}\text{C}$
Insulation Resistance	$>100\text{M}$
Load Life (1,000 hours)	$\pm(5\%+0.05)$
Short-time Overload	$\pm(5\%+0.05)$
Dielectric Withstanding Voltage	$\pm(1\%+0.05)$
Moisture Resistance	$\pm(5\%+0.05)$
Shock and Vibration	$\pm(1\%+0.05)$
Soldering Heat	$\pm(1\%+0.05)$
Incombustibility	EX16 Times V., 5 min.

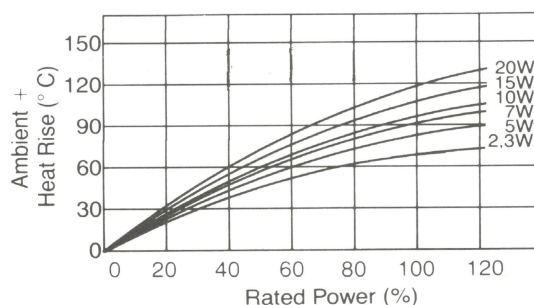


Type WCR



Type	Power Rating @70°C	Dimension (mm)					Resistance Range ( )	
		L	W	H	I	d	WCR Series	Tolerance
WCR-2	2W	18±1.5	7.0±1	7.0±1	35±3	0.6±0.1	.1-120	J.K.
WCR-3	3W	22±1.5	8.0±1	8.0±1	35±3	0.7±0.1	.1-150	
WCR-5	5W	22±1.5	10±1	9.0±1	35±3	0.8±0.1	.1-200	
WCR-7	7W	35±1.5	10±1	9.0±1	35±3	0.8±0.1	.1-900	
WCR-10	10W	49±1.5	10±1	9.0±1	35±3	0.8±0.1	.1-990	
WCR-15	15W	49±1.5	12.5±1	11.5±1	35±3	0.8±0.1	1.0-1K	
WCR-20	20W	64±2	14.5±1	13.5±1	35±3	0.8±0.1	1.0-2K	

Heat Rise



Derating Curve

