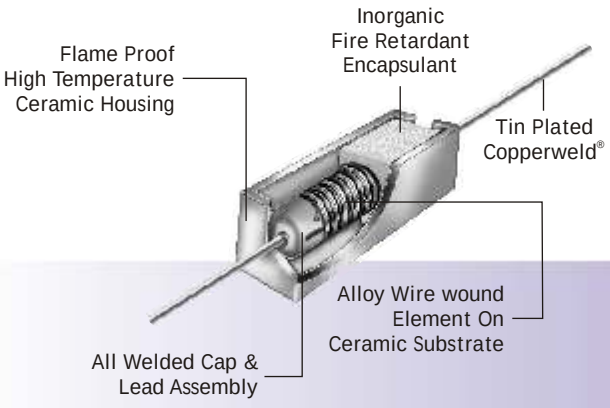


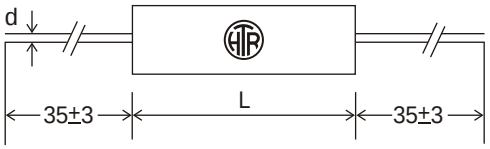
HCW SERIES

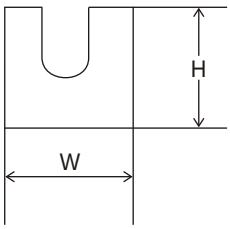
POWER TYPE
Ceramic Encased Wire Wound Resistors
Fire Proof

- Very high degree of insulation
- Low temperature on PCB solder joint
- 2 W to 20 W
- R10 to 56K

PHYSICAL CONFIGURATION

HCW SERIES





HTR TYPE	POWER RATING at 70°C	DIMENSIONS (mm)				RESISTANCE RANGE		TYPICAL WT. PER PC (gms)
		L ±1.5	W ±1	H ±1	d ±0.05	min	max	
CW-2	2W	17.5	7.5	7.0	0.8	R10	7K5	2.9
CW-3	3W	22.0	8.0	8.0	0.8	R10	11K	4.4
CW-5	5W	22.0	9.5	9.5	0.8	R10	11K	5.5
CW-7	7W	35.0	9.5	9.5	0.8	R10	30K	8.5
CW-10	10W	48.0	9.5	9.5	0.8	R10	43K	11.5
CW-15	15W at 25°C	48.0	12.5	12.5	1.0	R10	43K	19.8
CW-20	20W at 25°C	63.0	12.5	12.5	1.0	R10	56K	24.0

PULSE TYPE RESISTORS

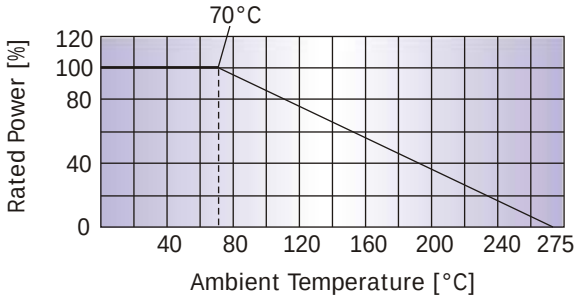
Resistors for use under pulse conditions as per IEC - 61000 - 4 - 5 available. For further information please refer to "Understanding pulse & over load capability of wire wound resistors".

In case a tailor-made pulse resistor is required, please refer to "Questionnaire of data required" and provide data accordingly.

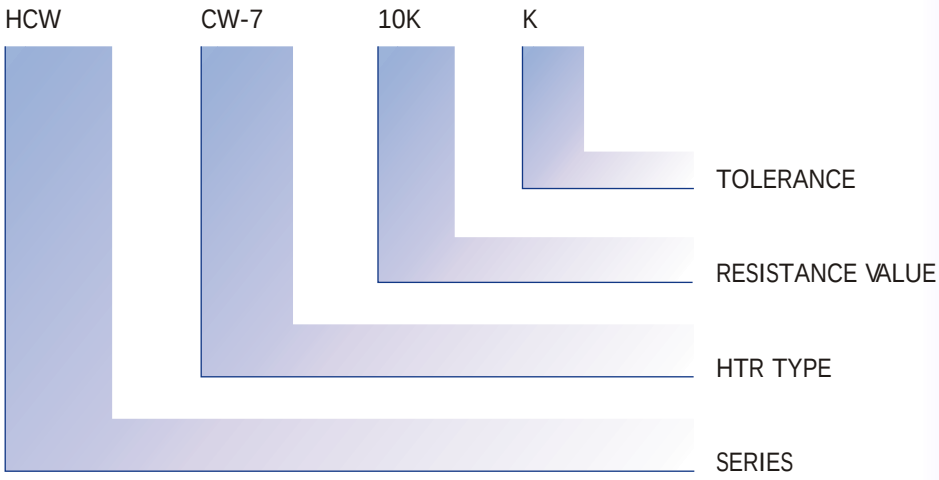
ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements
Resistance tolerance	± 10% [K]; ± 5% [J]; ±3%[H]; ± 2% [G]; ±1% [F]
Voltage rating	$E = \sqrt{PxR}$
Temperature co-efficient	±30 to ±90 ppm/ °C [Depending on resistance value]
Short time overload	DR = ±[2% + R05]
Insulation resistance	>1000 Mega - Dry >100 Mega - Wet
Moisture resistance	ΔR = ±[5% + R05]
Load life test	ΔR = ±[5% + R05]
Derating	Full power dissipation at 70°C to zero at 270°C (ambient)

DERATING CURVE



ORDERING INFORMATION



Note : Due to recent technological advances, the ceramic cases used may be steatite ceramic or corderite ceramic or high alumina ceramic depending on the nature of the application. Hence the ceramic cases may be off-white or variations of brown and variations of grey; colours which are inherent to these ceramic materials.