

HCL SERIES

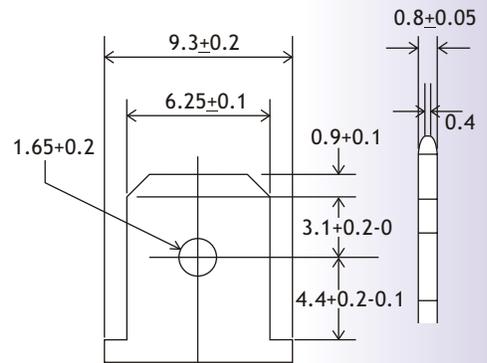
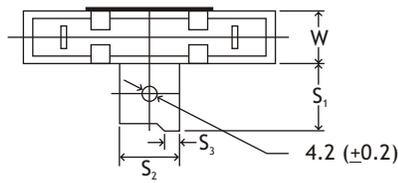
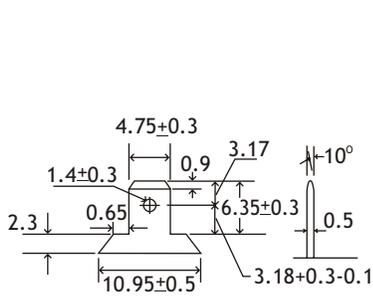
HI POWER TYPE

Ceramic Encased Wire Wounds
Industrial Applications

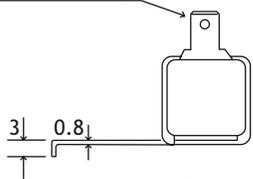


- 10 W to 40 W
- Can be supplied with mounting brackets.
- Choice of terminals available.

PHYSICAL CONFIGURATION

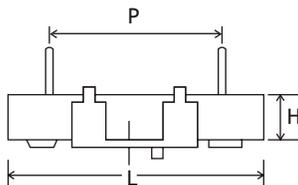


AMP F 187 Compatible

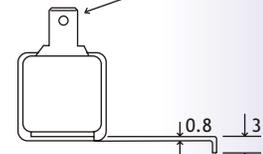


ELEVATION - A

PROFILES



AMP 250 Compatible



ELEVATION - B

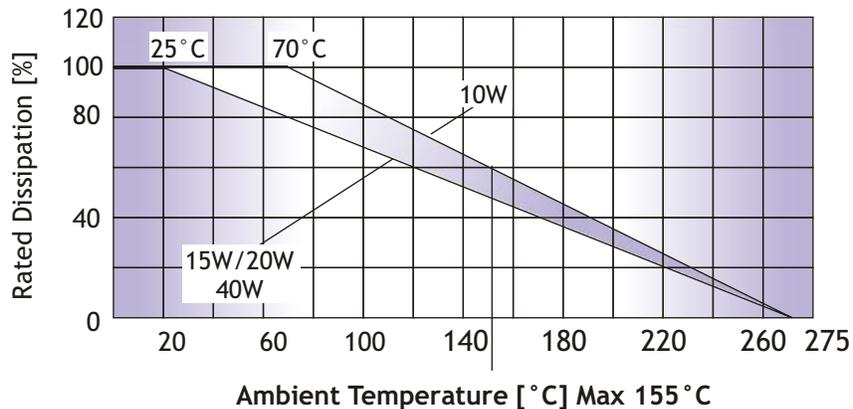
HTR TYPE	POWER RATING at 25°C	DIMENSIONS (mm)							MOUNTING BRACKET		RESISTANCE RANGE		TYPICAL WT PER PC (gms)
		L ±1.5	W ±1	H ±1	P ±1.5	S1 ±1	S2 ±0.5	S3 ±0.5	Profile	Elevation	min	max	
CL-10	10W(70°C)	48.0	9.5	9.5	35.0	No	Mounting		Bracket A/B		R10	47K	14.5
CL-15	15W	48.0	12.5	12.5	35.0	14.0	12.0	3.0	B	A/B	R10	47K	24.3
CL-20	20W	63.0	12.5	12.5	48.0	14.0	12.0	3.0	B	A/B	R15	56K	29.1
CL-40	40W	90.0	19.0	19.0	71.0	16.5	18.0	3.0	B	A/B	1R0	68K	87.5



ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements
Resistance tolerance	$\pm 10\%$ [K]; $\pm 5\%$ [J]
Rated ambient temperature [See derating curve]	10W full power dissipation at 70 °C 15W to 40W full power dissipation at 25 °C
Dielectric withstanding voltage	Max $R \pm [2\% + R05]$
Insulation resistance	>1000 M [minimum]
Temperature co-efficient	$+100$ ppm/ °C [$> 100R$] $+80$ ppm/ °C [$< 100R$] ± 450 ppm/ °C [$< 1R0$]
Short time overload	Max $R \pm [2\% + R05]$
Moisture resistance	Max $R \pm [5\% + R05]$
Load life	Max $R \leq [5\% + R05]$
Ambient operating temperature range.	-40 °C to +155 °C
Flame test	Specifications laid down by UL Specifications have been met satisfactorily.

DERATING CURVE



TYPICAL APPLICATIONS

HCL Series has been developed in far east as a direct replacement for old style radial wire wound resistors. As they can be provided with fitted mounting brackets they are suitable for use in situations where shock and high frequency vibration forces are to be encountered.

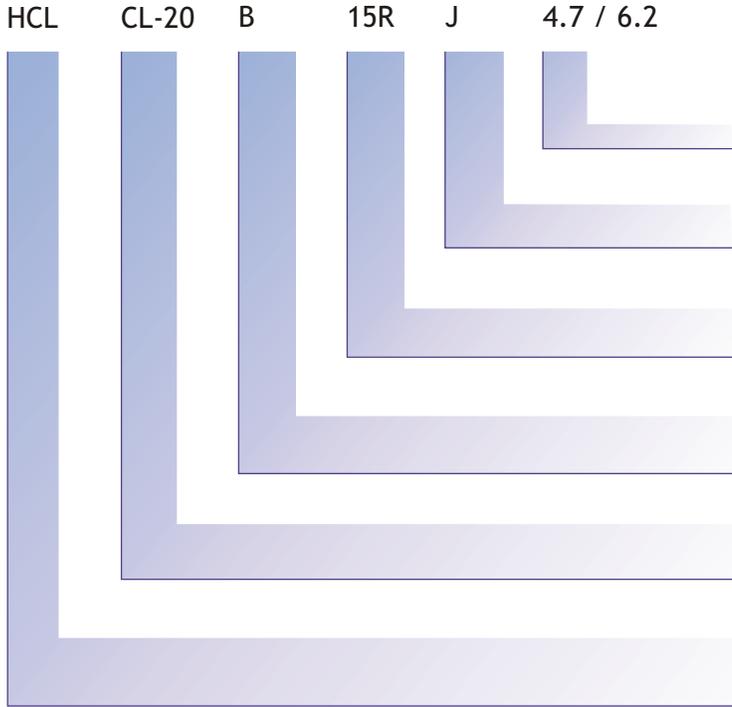
HCL Series also offers the following advantages -

- a) High degree of insulation; b) Low surface temperature as the bracket itself acts to some extent as a heat sink.

These resistors can also be supplied with a choice of receptacle type terminals which are compatible with AMP connector F187 and 250. Please refer ordering information.



ORDERING INFORMATION



In case lug required is compatible with Amp F187 put down 4.7 after the tolerance and in case lug required is compatible with Amp 250 put down 6.2 after the tolerance.

TOLERANCE

RESISTANCE VALUE

CHOICE OF MOUNTINGS

- (a) In case no bracket is required to be left blank.
- (b) In the event that bracket is required suffix the Type with 'B' eg. CL-20B

HTR TYPE

SERIES

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