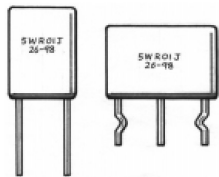


## Low Ohm Shunt

### Type HPR Series

#### Type HPR Series



The HPR Series is a radial low ohm resistor for current sensing in a range of instrumentation and control equipment. Wattage ranges from 2 to 7 Watts in a slim line ceramic package.

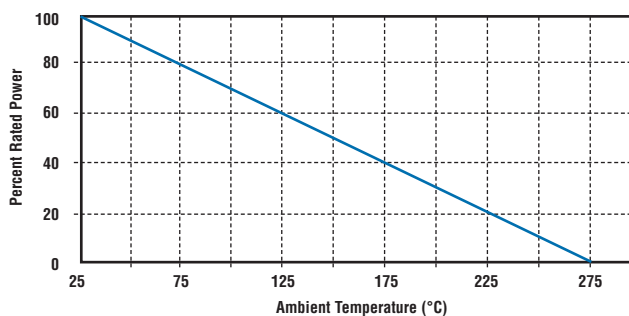
#### Key Features

- 2 to 7 Watts Radial Ceramic
- Very Low Inductance
- Low Profile Version
- R005 to R80 Value Range
- Up to 30 Amps Current Rating
- $\pm 100\text{ppm}/^\circ\text{C}$  Temperature Coefficient

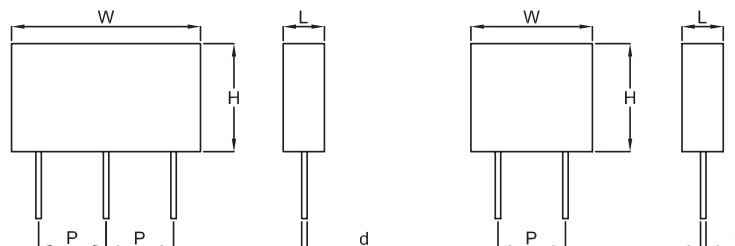
#### Characteristics - Electrical

<b>Resistance Range:</b>	R005 - R80
<b>Insulation Resistance:</b>	1000 Meg ohms minimum
<b>Maximum Current:</b>	2 watt - 5 watt 15A, 7 watt - 10 watt 30A
<b>Temperature Coefficient:</b>	$\pm 100\text{ppm}/^\circ\text{C}$
<b>Terminal Strength:</b>	Radial 1kg - Axial 4.5kg
<b>Measuring Point:</b>	Axial type 10mm. $\pm 0.5$ from body Radial type 4mm. $\pm 0.5$ from body

#### Derating Curve



#### Dimensions



Type	Dimensions					Rated Wattage	Resistance Range (Ohms)
	W $\pm 1.0$	L $\pm 1.0$	H $\pm 1.0$	P $\pm 0.5$	d $\pm 0.02$		
<b>2 Wire</b>							
HPR 02R	14.0	5.0	18.5	10.0	0.8	2W	5m - 500m
HPR 03R	14.0	5.0	13.5	10.0	0.8	3W	5m - 500m
HPR 5R(S)	14.5	5.0	18.5	10.0	0.8	5W	5m - 600m
HPR 05R	26.0	5.0	12.0	10.0	0.8	5W	5m - 800m
<b>3 Wire</b>							
HPR 33R	26.0	5.0	13.5	10.0	0.8	3W	10m - 470m
HPR 33R(L)	26.0	8.0	13.5	10.0	0.8	5W	10m - 470m
HPR 55R	26.0	5.0	17.0	10.0	0.8	5W	10m - 470m
HPR 55R(L)	26.0	8.0	17.0	10.0	0.8	7W	10m - 470m

#### How to Order

HPR	05R	R10	J
<b>Common Part</b>	<b>Power / Size</b>	<b>Resistance Value</b>	<b>Tolerance</b>
HPR - Ceramic Radial Shunt	See Table Above	R005 - 5 milli ohms R47 - 470 milli ohms	J - $\pm 5\%$