

Type HOLCO Series

Key Features

Ultra-Precision

- Down To
0.05%

Low TCR –

Down To
5ppm/°C

Long Term Stability

Up To 1 Watt
At 70°C



The Holco range of Precision Metal Film Resistors meets the requirement for economically priced components for industrial and military applications. The manufacturing facility utilises closely controlled production processes including the sputter coating of metal alloy films to ceramic substrates, and laser spiralling to achieve close tolerance and high stability resistors. An epoxy coating is applied for environmental and mechanical protection. Commercially the Series is available in two case sizes, from 1 ohm to 4M ohms, tolerances from 0.05% to 1% and TCR's from 5ppm/°C to 100ppm/°C.

Characteristics – Electrical

	H4P	H4	H8
Power rating @70°C	1W	0.5W	0.25W
Temperature Rise	70°C	55°C	40°C
Limiting Element Voltage	500v	350v	350v

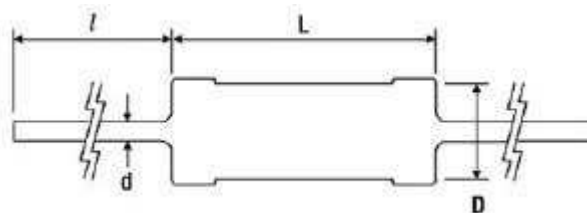
General Data

Lead Material	Solderability to BS CECC 40101 004 Para 4.15.1
Encapsulation	Conformal Epoxy Coating
Resistor Marking	Legend printed in accordance with CECC 40000 Para 2.4
Solvent Resistance	The epoxy coating and print will withstand the action of all commonly used industrial cleansing solvents

Resistance Range by TCR and Tolerance

TCR	H4P			H4			H8		
Ppm/°C	0.05%	0.1% - 0.25%	0.5% - 1.0%	0.05%	0.1% - 0.25%	0.5% - 1.0%	0.05%	0.1% - 0.25%	0.5% - 1.0%
5	10R-500K	10R-500K	10R-500K	10R-500K	10R-500K	10R-500K	10R-500K	10R-500K	10R-500K

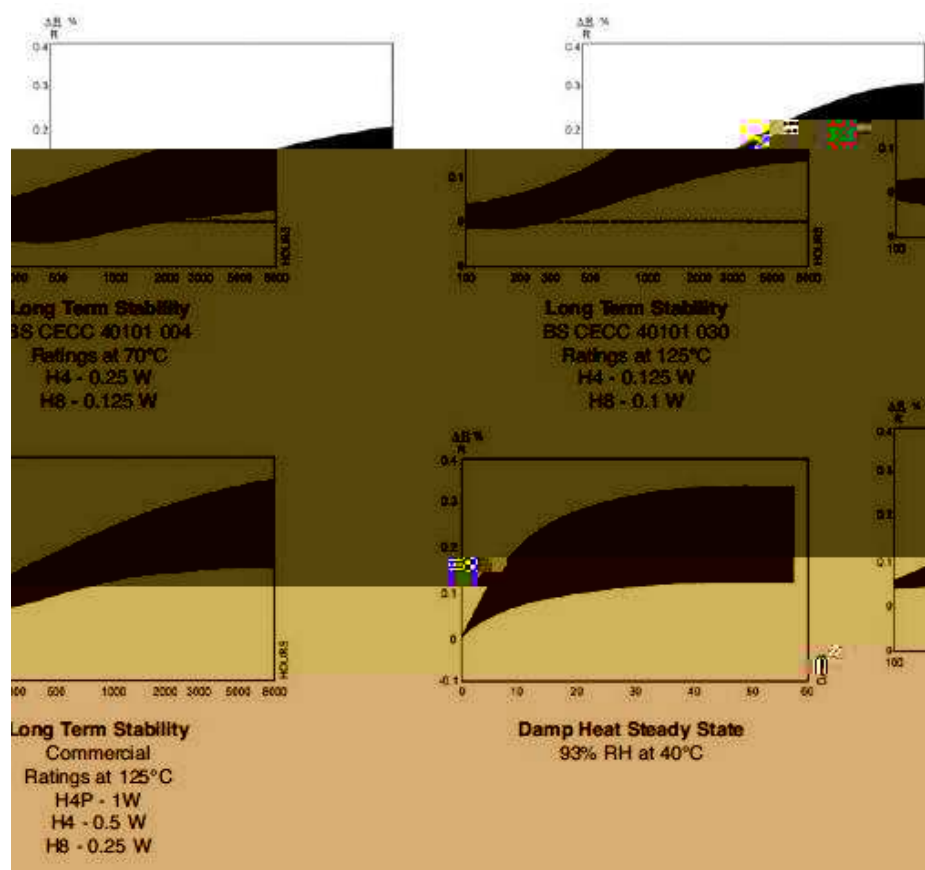
Dimensions



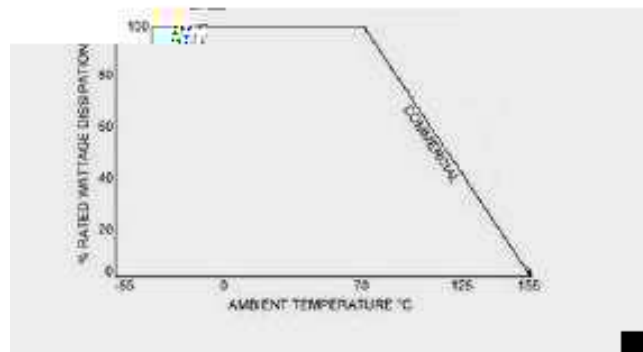
	H4P	H4	H8
Body Length (L) maximum:	10.50mm	10.50mm	7.20mm
Body Diameter (D) maximum:	3.70mm	3.70mm	2.70mm
Lead Diameter (d) maximum:	0.60mm	0.60mm	0.60mm
Lead Length (l) nominal:	30.0mm	30.0mm	30.0mm
Recommended Mounting Pitch:	12.70mm	12.70mm	10.2mm
Weight (g/100 resistors)	40	40	24

N.B. To prevent damage to the components conformal coating, the leads should be adequately supported during the forming process

Long Term Stability



Derating



How To Order

H8	100R	B	Y	A
Common Part	Resistance Value	Tolerance	TCR Code	Release
H4P	1.0Ω- 1R0	A – 0.05%	A – 5ppm	A – Part can only be sold with commercial or C of C release
H4	10Ω - 10R	B – 0.1%	B – 10ppm	
H8	1KΩ (1000 Ohms)- 1K0	C – 0.25%	Y – 15ppm	
	10KΩ (10,000 ohms) – 10K	D – 0.5%	D – 25ppm	
		F – 1.0%	C – 50ppm	
			Z – 100ppm	