

Type HOLCO Series

Key Features

- Ultra Precision - Down To 0.05%
- Matched Sets Available To 2ppm/°C
- High Pulse Withstand
- Low Reactance
- Low TCR - Down To 5ppm/°C
- Long Term Stability
- Up To 1 Watt At 70°C
- Released To CECC 40101 004, 030 And 804



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. Offered with release to BS CECC 40101 004, 030 and 804 the H8 is available via distribution.

Characteristics - Electrical

	H4P	H4	H8	
BS CECC 40101 004				
Style:		K	H	J
Power Rating at 70°C:		0.25W	0.063W	0.125W
Temperature Rise (max):		32°C	14°C	28°C
Limiting Element Voltage:		250V	200V	200V
BS CECC 40101 030				
Style:		J	H	
Power Rating at 125°C:		0.125W	0.1W	
Temperature Rise (max):		30°C	30°C	
Limiting Element Voltage:		250V	200V	
BS CECC 40101 804				
Style:		B	A	
Power Rating at 125°C:		0.25W	0.125W	
Limiting Element Voltage:		250V	200V	
Commercial Ratings				
Power Rating at 70°C:	1.0W	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

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Dimensions

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



	H4P	H4	H8
Body Length (L) maximum:	10.0 mm	10.0 mm	7.20 mm
Body Diameter (D) maximum:	3.70 mm	3.70 mm	2.50 mm
Lead Diameter (d) maximum:	0.60 mm	0.60 mm	0.60 mm
Lead Length (l) nominal:	30.0 mm	30.0 mm	30.0 mm
Recommended Mounting Pitch:	12.7 mm	12.7 mm	10.2 mm
Weight (g/100 resistors)	40	40	24

Characteristics - Long Term Stability



Long Term Stability
BS CECC 40101 004
Ratings at 70°C
H4 - 0.25 W
H8 - 0.125 W



Long Term Stability
BS CECC 40101 030
Ratings at 125°C
H4 - 0.125 W
H8 - 0.1 W



Long Term Stability
Commercial
Ratings at 125°C
H4P - 1W
H4 - 0.5 W
H8 - 0.25 W



Damp Heat Steady State
93% RH at 40°C

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Derating Graph - Approved and Commercial Ratings



How to Order

H8	100R	B	Y	B
Common Part	Resistance Value	Tolerance	T.C.R. Code	Release
H4P	1.0 ohm (1000 milli ohms) 1R0	A - 0.05%	A - 5ppm	A - Part can only be sold with Commercial or C of C release.
H4	10 ohm (10 ohms) 10R	B - 0.1%	B - 10ppm	
H8	100 ohm (100 ohms) 100R	C - 0.25%	Y - 15ppm	B - Part can be sold to BS CECC 40101 004, BS CECC 40101 030
	1K Ohm (1000 ohms) 1K0	D - 0.5%	D - 25ppm	
	10K ohm (10000 ohms) 10K	F - 1.0%	C - 50ppm	
	100K ohm (100000 ohms) 100K		Z - 100ppm	
	1M ohm (1000000 ohms) 1M0			D - Part can be sold to BS CECC 40101 804

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