

# OWIRH0704-6R8

## SMD power inductor



### Description

Metal base, 2pins

### Features

RoHS, Halogen Free and REACH Compliance  
 Shielded power inductor  
 Various package sizes  
 Wide inductance range

### Applications

Power supply for VTR, OA equipment  
 LCD television, notebook PC  
 Portable communication equipment  
 DC/DC converters, etc.

### General Specifications

Test Voltage	<b>0.25V</b>
Parameters Test Temp	<b>25°C</b>
Operation Temp (Including temperature Rise)	<b>-40°C to +125°C</b>
Storage Temp	<b>0~40°C</b>
Storage Humidity	<b>&lt;70% RH</b>
Resistance to Soldering Heat	<b>260°C for 10 sec</b>
Rated Current	<b>L drops off 35% typ at Isat</b>
Temperature Rise	<b>40°C typ. at Irms</b>

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
6.80	K, L, M, N	100 kHz	45.00	2.50					

When ordering please specify tolerance code Tolerance: K= $\pm 10\%$ , L= $\pm 15\%$ , M= $\pm 20\%$ , N= $\pm 30\%$

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.50	7.50	4.50	2	5.1			3.1	2	4.4	Fig. 1
Max	Max	Max	Ref	Ref			Ref	Ref	Ref	

