

Dimensions



A	B	C	D	E
7.4Max mm	6.6±0.2 mm	3.0±0.2 mm	3.0Max. mm	1.6±0.3 mm

Product Marking

Product Marking	6R8 (Inductance Code)
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Schematic Drawing



Equivalent Circuit

Electrical Properties

Properties		Value	Unit	Tol.	Test Conditions
Inductance	L	6.8	μH	±20%	100KHz 1.0V
Heat Rating Current	I _{rms}	4.5	A	Typ.	
Saturation Current	I _{sat}	8.0	A	Typ.	L 8.0A drop 25% MAX. @ 100KHz/1.0V
DC Resistance	R _{DC}	53.0	mΩ	Typ.	
DC Resistance	R _{DC}	60.0	mΩ	Max	

Operating temperature range: -45 to + 125 °C

Storage condition:

Temperature Range: 0°C ~ 35°C; -40°C ~ 105°C (after PCB)

Humidity Range: 50% ~ 70% RH

Packaging: Taping : 1500 Piece/reel

Recommended land pattern



G	2.50 mm (REF)
H	3.50 mm (REF)
I	2.50 mm (REF)