

## Dimensions



A	B	C	D	E
10.5±1.0 mm	10.3±0.3 mm	3.0±0.3 mm	4.0Max. mm	2.0±0.5 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 <sub>rms</sub>	8.0	A	Typ.	
Saturation Current	I <sub>sat</sub>	13.5	A	Typ.	L 13.5A drop 25% MAX. @ 100KHz/1.0V
DC Resistance	R <sub>DC</sub>	18.0	mΩ	Typ.	
DC Resistance	R <sub>DC</sub>	23.3	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 : 1000 Piece/reel

## Recommended land pattern



<b>G</b>	4.85 mm (REF)
<b>H</b>	3.80 mm (REF)
<b>I</b>	3.50 mm (REF)