

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	R47 (Inductance Code)
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Schematic Drawing



Equivalent Circuit

Electrical Properties

Properties		Value	Unit	Tol.	Test Conditions
Inductance	L	0.47	μH	±20%	100KHz 1.0V
Heat Rating Current	I _{rms}	28.5	A	Typ.	
Saturation Current	I _{sat}	52.0	A	Typ.	L 52.0A drop 25% MAX. @ 100KHz/1.0V
DC Resistance	R _{DC}	1.20	mΩ	Typ.	
DC Resistance	R _{DC}	1.68	mΩ	Max	

Operating temperature range: -45 to + 125 °C

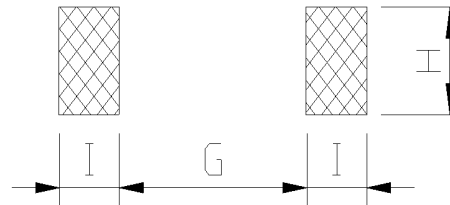
Storage condition:

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



G	4.85 mm (REF)
H	3.80 mm (REF)
I	3.50 mm (REF)