



PQ87XX Series



1. Features of PQ87XX Series :

- Ferrite based inductor with lower core loss.
- Inductance Range: 0.47uH to 2.2uH, custom values are welcomed.
- High flux material for DC bias roll-off performance.
- Foot Print 22.0 x 22.7mm max.
- Coplanarity of 0.1mm max.
- Operating frequency up to 600.0KHz.
- Operating Temperature Range -40°C to + 150°C.
- RoHS and HF Compliant.
- T & R Qty: 1,250 pcs , Box.

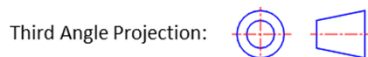


2. Electrical Characteristics of PQ87XX Series:

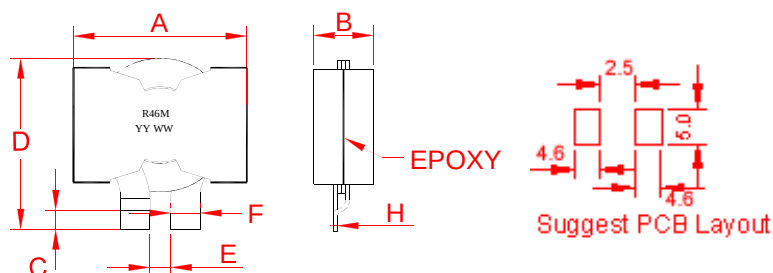
Part Number	L (uH)	DCR $\pm$ 7% (m Ω)	I _{rms} (A)	L @I _{rms} (uH)	I _{max} (A)	L @I _{max} (uH)	Dim. B Max.
PQ8724A-R47MHF	0.47 $\pm$ 20%	0.73	40 A	0.43	60 A	0.40	A
PQ8724B-R47MHF	0.47 $\pm$ 20%	0.73	40 A	0.43	60 A	0.40	B
PQ8728A-R60LHF	0.60 $\pm$ 15%	0.73	40 A	0.53	60 A	0.48	A
PQ8728B-R60LHF	0.60 $\pm$ 15%	0.73	40 A	0.53	60 A	0.48	B
PQ8724A-R90MHF	0.90 $\pm$ 20%	1.05	38 A	0.78	48 A	0.73	A
PQ8724B-R90MHF	0.90 $\pm$ 20%	1.05	38 A	0.78	48 A	0.73	B
PQ8728A-1R0MHF	1.00 $\pm$ 20%	1.05	36 A	0.86	46 A	0.82	A
PQ8728B-1R0MHF	1.00 $\pm$ 20%	1.05	36 A	0.86	46 A	0.82	B
PQ8728A-1R6MHF	1.60 $\pm$ 20%	1.40	35 A	1.31	43 A	1.25	A
PQ8728B-1R6MHF	1.60 $\pm$ 20%	1.40	35 A	1.31	43 A	1.25	B
PQ8728A-2R2MHF	2.20 $\pm$ 20%	1.75	33 A	1.69	40 A	1.56	A
PQ8728B-2R2MHF	2.20 $\pm$ 20%	1.75	33 A	1.69	40 A	1.56	B

3. Mechanical Dimension of PQ87XX Series (Unit:mm)

Part Number	A Max.	B Max.	C Min.	D $\pm$ 0.5	E $\pm$ 0.5
A	22.0	6.0	3.50	22.2	3.94
B	22.0	7.2	3.50	22.2	3.94



Part Marking:
Rxx x: xx is inductance value in uH(R:decimal point),
x is special code.
YYWW: Date Code



Test Condition:

1. Test condition: 300KHz, 0.25V_{rms}, at 25°C
2. I_{rms}: DC current rating at 40°C temperature rise (typical)
3. I_{max}: DC current rating at 100°C temperature rise (typical)

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision C: February 8, 2016

*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.