

Round Wire Coil Inductor – IOEPQ2012-XXX Series



INTER OUTSTANDING ELECTRONICS

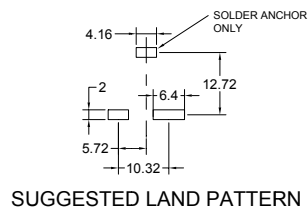
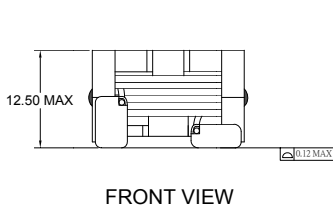


- INDUCTANCE RANGE: 1.5 μ H TO 68.0 μ H
- CURRENT RATING: UP TO 32Apk
- FREQUENCY RANGE UP TO 1MHz.
- FOOTPRINT: 22.23mm x 19.05mm MAX.
- HEIGHT: 12.50mm MAX.
- OPERATING TEMPERATURE: -40 $^{\circ}$ C TO 85 $^{\circ}$ C WITH Irms CURRENT.

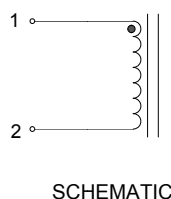
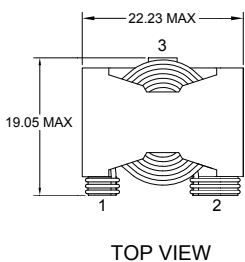
Electrical Characteristics:

Part number	Inductance $\pm 10\%$ (μ H)	Isat (A)			DCR m Ω Max.	Irms (A)
		10% Drop	20% Drop	30% Drop		
IOEPQ2012-1R5M	1.5	26.7	29.5	32.5	1.56	24.5
IOEPQ2012-2R2M	2.2	18.2	20.0	22.5	1.56	24.5
IOEPQ2012-3R3M	3.3	18.2	20.0	22.5	2.35	20.0
IOEPQ2012-4R7M	4.7	21.3	23.5	26.3	3.75	16.0
IOEPQ2012-6R8M	6.8	17.5	19.6	21.8	4.86	13.9
IOEPQ2012-100M	10.0	16.0	17.8	19.5	6.40	12.2
IOEPQ2012-150M	15.0	13.4	14.8	16.5	10.00	9.8
IOEPQ2012-220M	22.0	10.9	12.0	13.5	13.75	8.3
IOEPQ2012-330M	33.0	8.5	9.4	10.5	20.40	6.8
IOEPQ2012-470M	47.0	6.8	7.5	8.4	23.70	6.3
IOEPQ2012-680M	68.0	5.6	6.2	6.9	34.70	5.2

Mechanical Details:



- Inductance measured at 100kHz/100mVrms/0Adc
- Isat current at which the inductance drops the specified amount from its value without current.
- RMS current that causes the specified temperature rise from 25 $^{\circ}$ C ambient.
- Electrical specifications measured at 25 $^{\circ}$ C.



These data are for models selection. For detail specifications and customized requirement, please contact IOE