

# Round Wire Coil Inductor – IOECY1308-XXX Series



**INTER OUTSTANDING ELECTRONICS**

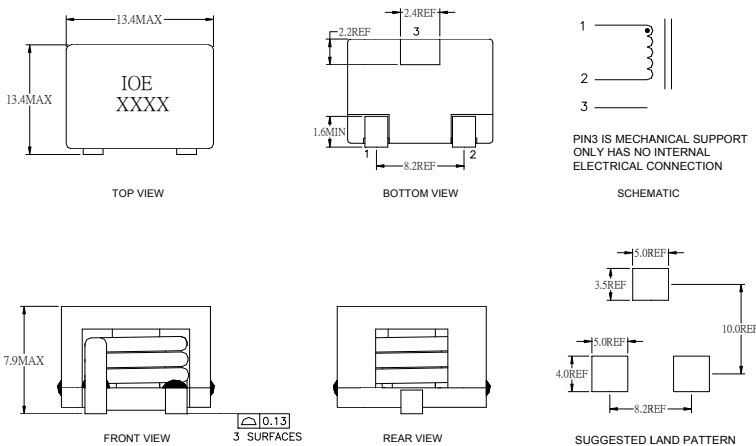


- INDUCTANCE RANGE: 0.47 $\mu$ H TO 68.0 $\mu$ H
- CURRENT RATING: UP TO 50A<sub>pk</sub>
- FREQUENCY RANGE UP TO 1MHz.
- FOOTPRINT: 13.4mm x 13.4mm MAX.
- HEIGHT: 8.0mm MAX.
- OPERATING TEMPERATURE: -40°C TO 85°C WITH I<sub>rms</sub> CURRENT.

## Electrical Characteristics:

Part number	Inductance $\pm 10\%$ ( $\mu$ H)	Isat (A)			DCR m $\Omega$ Max.	I <sub>rms</sub> (A)
		10% Drop	20% Drop	30% Drop		
IOECY1308-0R4M	0.47	43.7	46.5	50.0	0.62	32.0
IOECY1308-0R6M	0.68	30.2	32.6	35.5	1.85	30.0
IOECY1308-1R0M	1.00	28.9	30.8	34.7	1.35	21.5
IOECY1308-2R2M	2.20	18.7	20.1	21.6	2.85	15.0
IOECY1308-3R3M	3.30	17.5	19.8	21.0	4.25	12.3
IOECY1308-4R7M	4.70	14.4	16.3	17.2	5.25	11.0
IOECY1308-5R6M	5.60	12.8	13.0	14.8	5.25	11.0
IOECY1308-6R8M	6.80	12.1	13.0	13.9	8.25	8.8
IOECY1308-100M	10.0	9.3	10.0	10.7	8.95	8.4
IOECY1308-150M	15.0	7.5	8.1	8.7	14.0	6.7
IOECY1308-220M	22.0	6.5	7.0	7.7	23.5	5.2
IOECY1308-330M	33.0	4.7	5.0	5.4	24.3	5.1
IOECY1308-470M	47.0	3.7	4.0	4.4	30.5	4.5
IOECY1308-560M	56.0	3.5	3.8	4.0	36.0	4.2
IOECY1308-680M	68.0	3.2	3.4	3.5	39.8	4.0

## Mechanical Details:



- Inductance measured at 100kHz/100mV<sub>rms</sub>/0A<sub>dc</sub>
- 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°C ambient.
- Electrical specifications measured at 25°C.

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