

# Round Wire Coil Inductor –

## IOECY1708-XXX Series



INTER OUTSTANDING ELECTRONICS

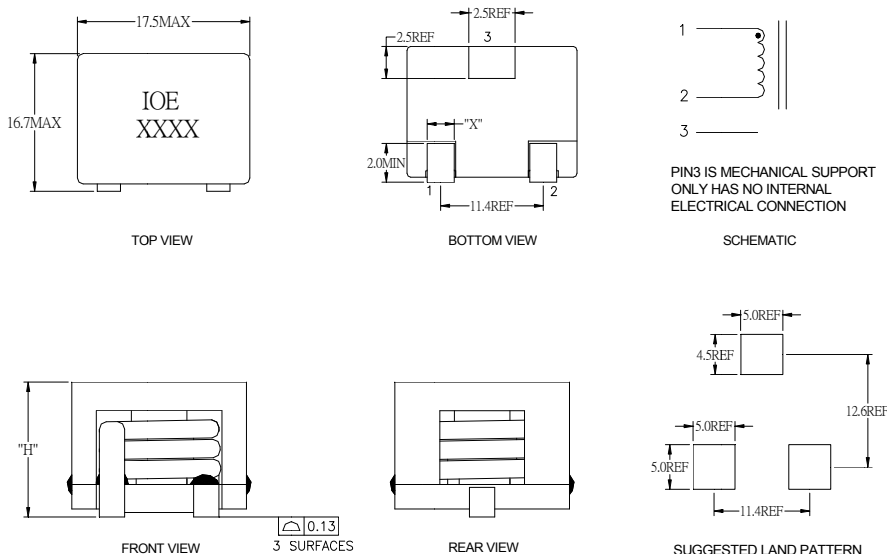


- INDUCTANCE RANGE: 0.47 $\mu$ H TO 25.0 $\mu$ H
- CURRENT RATING: UP TO 40Apk
- FOOTPRINT: 17.5mm x 16.7mm MAX.
- HEIGHT: 10.0mm MAX.
- OPERATING TEMPERATURE: -40 $^{\circ}$ C TO 130 $^{\circ}$ C
- NO THERMAL AGING

### Electrical Characteristics:

Part number	Inductance @ Irated ( $\mu$ H Typ.)	Irated (A)	Controlled Electrical Spec.		Isat (A Typ.)		Heating Current Idc (A Typ.)	Core Loss Factor (K2)
			DCR ( $m\Omega$ ) MAX.	Inductance @ 0Adc ( $\mu$ H $\pm$ 20%)	25 $^{\circ}$ C	100 $^{\circ}$ C		
IOECY1708-R47M	0.47	40	0.87	0.47	80	65	40	20.0
IOECY1708-R68M	0.60	40	0.87	0.68	62	48	40	29.0
IOECY1708-R85M	0.74	40	0.87	0.85	50	40	40	36.3
IOECY1708-1R6M	1.4	31	1.5	1.6	36	30	31	45.5
IOECY1708-2R8M	2.5	24	2.2	2.8	28	23	24	59.8
IOECY1708-4R5M	3.6	22	2.9	4.5	22	18	22	76.9
IOECY1708-6R8M	5.4	18	3.5	6.8	18	15	21	96.8
IOECY1708-113M	8.8	14	7.0	11.0	14	11.5	14	117.5
IOECY1708-183M	15.4	9.8	13.8	18.0	11	9	9.8	153.8
IOECY1708-253M	23.5	7.0	19.4	25.0	9.2	8	7.0	178

### Mechanical Details:



Part number	X ( $\pm$ 0.5)	H Height
IOECY1708-R47M	2.5	8.0
IOECY1708-R68M	2.5	
IOECY1708-R85M	2.5	
IOECY1708-1R6M	2.5	10.0
IOECY1708-2R8M	2.5	
IOECY1708-4R5M	2.5	
IOECY1708-6R8M	2.5	
IOECY1708-113M	1.4	
IOECY1708-183M	1.4	
IOECY1708-253M	1.4	

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