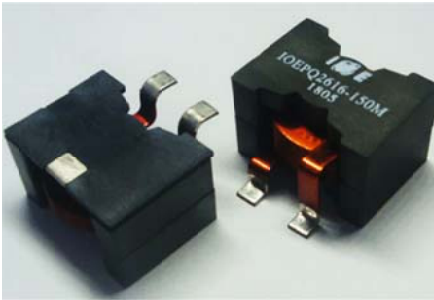


Planar Power Inductors –

PQ2616 Series

INTER OUTSTANDING ELECTRONICS

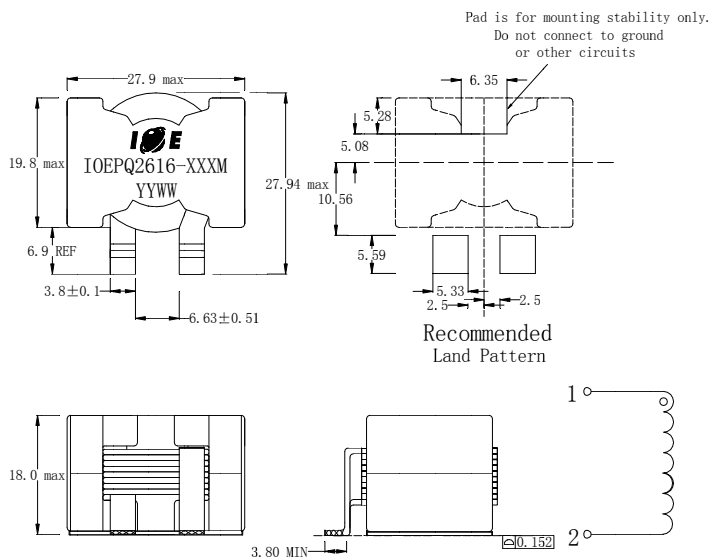


- Inductance Range: 3.3 to 33 μH
- Isat: Up to 90A
- Ambient Temperature: -40°C to $+85^{\circ}\text{C}$ with (40°C rise) Irms current
- Max. part temperature: $+125^{\circ}\text{C}$ (ambient + temp rise). Derating.
- RoHS compliant
- Can be customized under customer's request

Models:

Part number	Inductance $\pm 10\%$ (μH)	DCR ($\text{m}\Omega$)max	SRF typ(MHz)	Isat (A)			Irms (A)	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
IOEPQ2616-3R3M	3.3	2.86	40	91	92.5	93.6	20	28
IOEPQ2616-4R7M	4.7	2.86	30	59	61.2	62.4	20	28
IOEPQ2616-6R8M	6.8	2.86	25	42	45	45.9	20	28
IOEPQ2616-100M	10.0	2.86	20	28	31.2	32.1	20	28
IOEPQ2616-150M	15.0	2.86	16	18	21.2	21.9	20	/
IOEPQ2616-220M	22.0	2.86	15	12	14	15	/	/
IOEPQ2616-330M	33.0	2.86	10	7	8.7	9.6	/	/

Mechanical Details:



Remark:

- Inductance measured at 200 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or Equivalent
- SRF measured using an Agilent/HP 4395A network analyzer and an Agilent/HP 16092A test fixture
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.

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