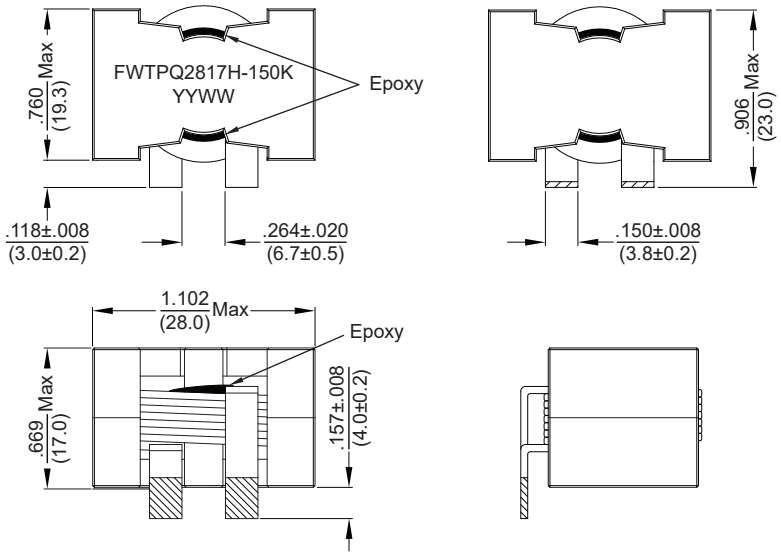
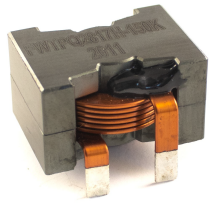
RoHS

Flat Wire Through Hole Power Inductor FWTPQ2817H

Dimensions: inch / (mm)





Allied Part Number	Inductance (µH) ±10%	Test Frequency KHz, 0.1V	DCR (mΩ)	Irms (A) Typ.		Isat (A) Typ			SRF (MHz) Typ.
				20°C	40°C	10%	20%	30%	
FWTPQ2817H-3R3K	3.3	500	2.82	20.0	28.0	91.0	92.5	93.6	40.0
FWTPQ2817H-4R7K	4.7	500	2.82	20.0	28.0	59.0	61.2	62.4	30.0
FWTPQ2817H-6R8K	6.8	500	2.82	20.0	28.0	42.0	45.0	45.9	25.0
FWTPQ2817H-100K	10	500	2.82	20.0	28.0	28.0	31.2	32.1	20.0
FWTPQ2817H-150K	15	500	2.82	20.0	28.0	18.0	21.2	21.9	16.0
FWTPQ2817H-220K	22	500	2.82	20.0	28.0	12.0	14.0	15.0	15.0
FWTPQ2817H-330K	33	500	2.82	20.0	28.0	7.0	8.7	9.6	10.0

All specifications subject to change without notice.

Features

- Flat Wire Through Hole Power Choke.
- Low Magnetic Loss
- Low DCR
- High Saturation Current

Electrical

Inductance Range: 3.3µH to 33µH

Tolerance: ±10%

Test Frequency: 500KHz, 0.1V

Operating Temp: -40ºC to +85 ºC (including self temp rise).

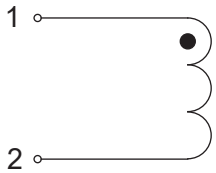
Isat: Current at which the inductance will drop by 10%, 20%, and 30% from its original inductance without current.

Irms: The actual value of DC current when the temperature rise is ΔT 20°C and ΔT 40°C.

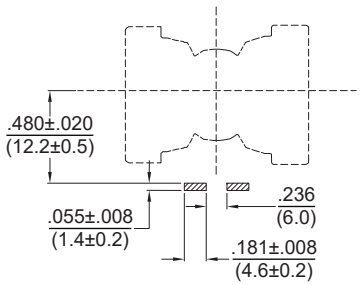
Physical

Packaging: 35 per Tray, 560pcs per Carton

SCHEMATIC



RECOMMENDED PAD LAYOUT



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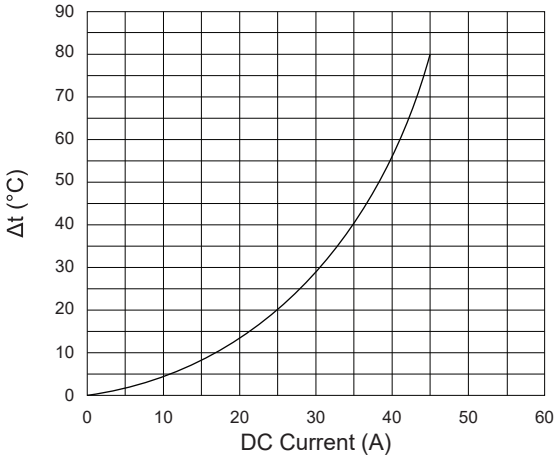
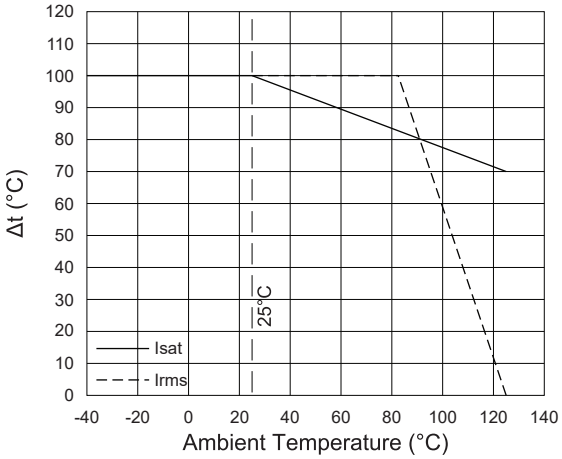
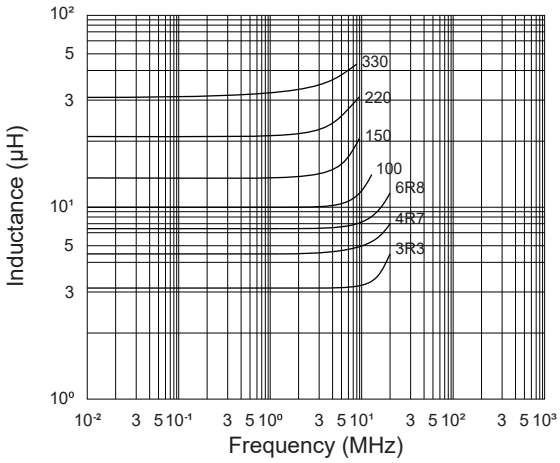
Temp Rise vs. DC Current Response



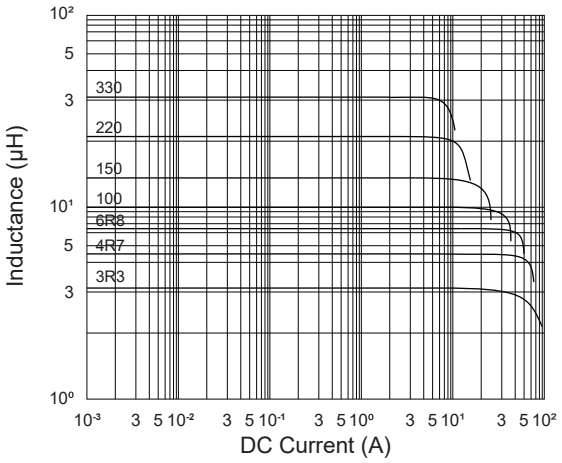
Current Rating Response



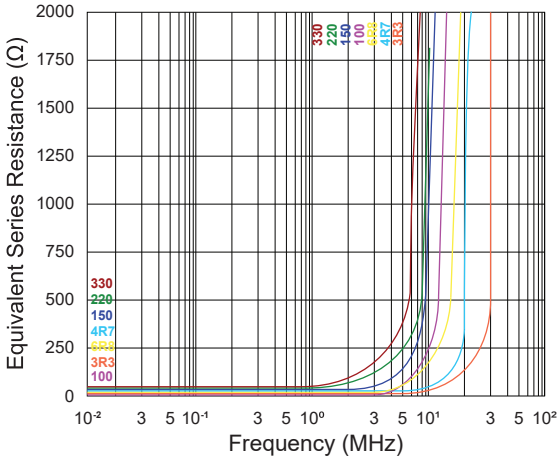
Inductance vs. Freq Response



Inductance vs. DC Superposition Reponse



ESR vs. Freq Response



Reflow Solder Profile