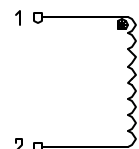


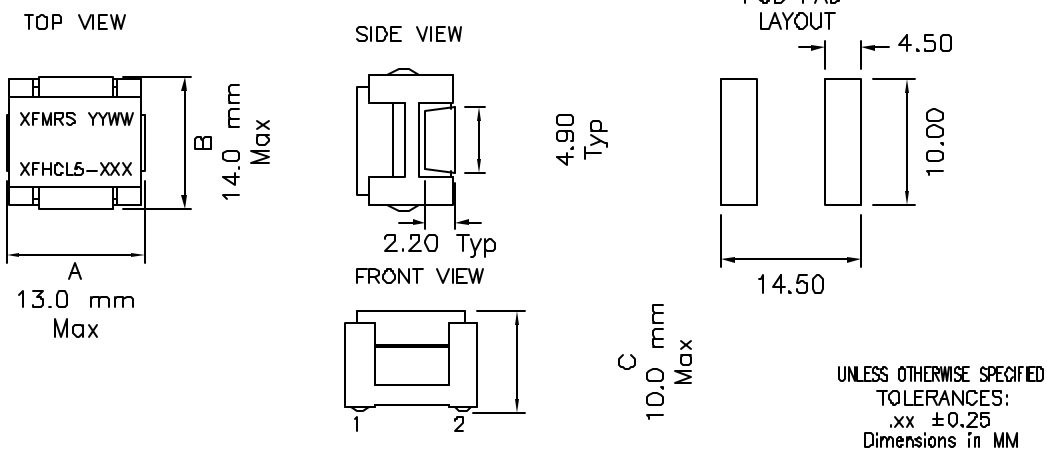
XFHCL5 SERIES INDUCTORS

- * Suited for IR Reflow Solder
 - * Frequency Range DC to 1MHz
 - * Compact Footprint for High Density
 - * Ideal for Energy Storage Applications
 - * Custom Designs Available Upon Request
 - * Tape & Reel Packaging Standard
- 250 Pcs per 13" Reel

Schematic:



Mechanical Dimensions:



Part Number	Rated Inductance uH	OCL (1) uH±15%	I _{rms} (2) Amperes (Typ)	I _{sat} (3) Amperes (Typ)	DCR Ohms (Max)	Volts (4) uSec
XFHCL5-R22	0.22	0.218	51.42	40.5	0.00034	1.83
XFHCL5-R30	0.30	0.291	51.42	31.8	0.00034	1.83
XFHCL5-R57	0.57	0.572	37.83	33.4	0.00063	3.66
XFHCL5-R87	0.87	0.866	28.01	31.0	0.00138	5.49
XFHCL5-1R0	1.00	1.12	28.01	25.4	0.00138	5.49
XFHCL5-1R7	1.70	1.66	22.30	22.2	0.0018	7.33
XFHCL5-2R3	2.30	2.29	22.30	16.7	0.0018	7.33
XFHCL5-3R6	3.60	3.59	16.76	13.4	0.0032	9.16
XFHCL5-5R1	5.10	5.15	12.79	11.2	0.0054	10.99
XFHCL5-7R8	7.80	7.85	12.79	6.70	0.0054	10.99
XFHCL5-100	10.0	10.5	12.79	5.30	0.0054	10.99

- 1) Open Circuit Inductance Test Parameters: 300kHz, 0.250V_{rms}, 0.0Adc
- 2) DC Current for an approximate temperature change of 40°C without core loss.
- 3) Peak current for approximately 30% roll-off @20°C
- 4) Applied Volt-Time product (V-uS) across the Inductor. This value represents the applied V-uS at 200kHz necessary to generate a core loss equal to 10% of the total losses for 40°C temperature rise.
- 5) Operating Temp Range: -40 to 85C
- 6) Flamability Rating: UL94V-0