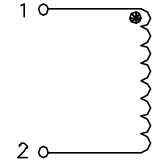


XFHCL8 SERIES INDUCTORS

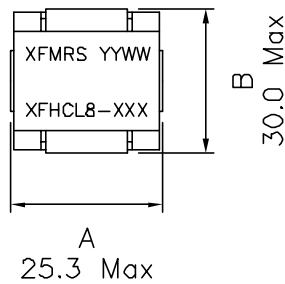
- * Suited for IR Reflow Solder
- * Frequency Range DC to 1MHz
- * Compact Footprint for High Density
- * Ideal for Energy Storage Applications
- * Custom Designs Available Upon Request
- * RoHS Compliant Component
- * Supplied in bulk packaging

Schematic:

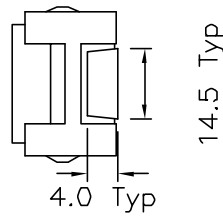


Mechanical Dimensions:

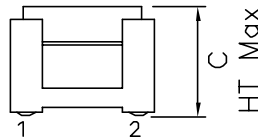
TOP VIEW



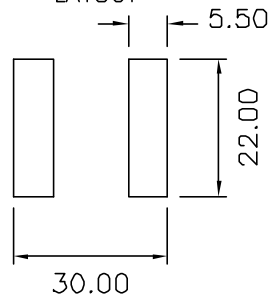
SIDE VIEW



FRONT VIEW



PCB PAD LAYOUT



UNLESS OTHERWISE SPECIFIED
 TOLERANCES:
 .xx ±0.25
 Dimensions in MM

Part Number	Rated Inductance uH	OCL (1) nominal uH±20%	I _{rms} (2) Amperes (Typ)	I _{sat} (3) Amperes (Typ)	DCR mOhms (Max)	Volts (4) uSec	Height Max MM
XFHCL8-R50	0.50	0.50	78.00	120	0.42	17.33	18.0
XFHCL8-1R0	1.0	1.05	78.00	78	0.42	17.33	17.5
XFHCL8-2R2	2.2	2.05	55.50	60	0.70	26.01	17.5
XFHCL8-3R3	3.3	3.63	42.45	46	1.20	34.65	17.5
XFHCL8-4R7	4.7	4.98	33.80	38	2.17	43.30	17.5
XFHCL8-5R6	5.6	5.68	33.80	34.5	2.17	43.30	17.5
XFHCL8-6R0	6.0	6.52	33.80	30.0	2.17	43.30	17.5

- 1) Open Circuit Inductance Test Parameters: 300kHz, 0.250Vrms, 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