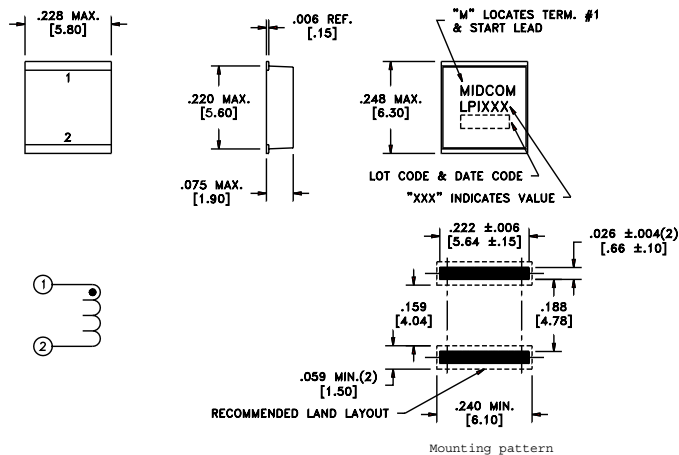


Low Profile Inductors: LPI-2207 Series



Features

- Low Profile Inductor (LPI) has 0.075" [1.9 mm] max height
- Economical, SMD, power inductor with extremely small size
- Rugged, molded package for durability
- Toroidal core provides very low EMI
- Inductance range of 0.47 uH through 47 uH, 10 values
- Continuous current to 2.08 A(dc)
- Frequency range up to 1MHz
- Manufactured with UL94 V-0 materials
- Flat top for pick and place handling
- Compatible with IR solder reflow processes to 240°C

Applications

- Low profile for PCMCIA applications
- Inductors for DC/DC conversion, useful in battery-powered, low-voltage converters
- Ideal for circuits in PDA, cell phones, pagers, etc.

Environmental Specifications

- Operating temperature range: -40°C to +85°C
- Storage temperature range: -50°C to +125°C

Packaging

- Parts are packaged in 16mm width embossed carrier tape per EIA-481-3
- 2000 pieces per 13" reel

Part Number	Inductance (uH ref)	Note 1 OCL uH +/- 25%	Note 2 DCR max (ohms)	Note 3 Isat (Adc)	Note 4 Icont (Adc)
LPI-2207-R47R	0.47	0.52	0.058	2.70	2.08
LPI-2207-1R0R	1.0	1.10	0.062	1.86	2.00
LPI-2207-2R2R	2.2	2.34	0.093	1.28	1.64
LPI-2207-4R7R	4.7	4.73	0.113	0.90	1.49
LPI-2207-100R	10	9.80	0.143	0.62	1.32
LPI-2207-150R	15	15.2	0.220	0.50	1.07
LPI-2207-220R	22	22.3	0.258	0.41	0.99
LPI-2207-270R	27	27.4	0.354	0.37	0.84
LPI-2207-330R	33	33.1	0.384	0.34	0.81
LPI-2207-470R	47	46.8	0.576	0.28	0.66

NOTES:

- 1 Open circuit inductance test at 100KHz 0.1 Vrms, 0.0Adc
- 2 DCR limits at 20°C
- 3 Saturating DC current for approximately 30% rolloff from initial inductance
- 4 Continuous DC current for approximate delta T of 40°C rise from a 25°C ambient