

# Tight Tolerance High Frequency Chip Inductors



Model PM0402T Series is currently available, although not recommended for new designs. Model CM100505 is preferred.

### Special Features

- Photolithographic design
- Tight inductance tolerance
- High self resonant frequency
- Excellent Q
- Stable characteristics
- Operating temperature: -55 to +125 °C
- Tape & reel packaged 10,000/reel

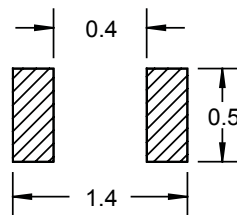
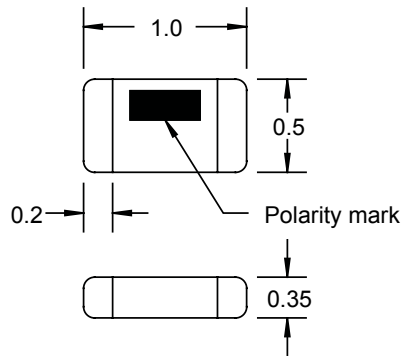
### Typical Applications

- High frequency circuits
- Cell phone
- Bluetooth
- LAN and WAN

PM0402T Series							
Part Number	L (nH) ±0.2nH @ 100MHz	Q (Min)/ Test Freq.	SRF (Min) (GHz)	DCR (Ω) (Max)	Idc (mA)	Bourns Equivalent	
PM0402T-1N0-RC	1.0	13 / 500MHz	6	0.1	400	CM100505	
PM0402T-1N2-RC	1.2	13 / 500MHz	6	0.1	390		
PM0402T-1N5-RC	1.5	13 / 500MHz	6	0.2	280		
PM0402T-1N8-RC	1.8	13 / 500MHz	6	0.2	280		
PM0402T-2N2-RC	2.2	13 / 500MHz	6	0.3	220		
PM0402T-2N7-RC	2.7	13 / 500MHz	6	0.4	220		
PM0402T-3N3-RC	3.3	13 / 500MHz	6	0.5	190		
PM0402T-3N9-RC	3.9	13 / 500MHz	6	0.6	170		
PM0402T-4N7-RC	4.7	13 / 500MHz	6	0.7	160		
PM0402T-5N6-RC	5.6	13 / 500MHz	6	0.9	140		
PM0402T-6N8-RC	6.8	13 / 500MHz	6	1.1	130		
PM0402T-8N2-RC	8.2	13 / 500MHz	5.5	1.3	110		
±2 %							
PM0402T-10NG-RC	10	13 / 500MHz	4.5	1.6	100		
PM0402T-12NG-RC	12	13 / 500MHz	3.7	1.8	90		
PM0402T-15NG-RC	15	13 / 500MHz	3.3	2.0	90		
PM0402T-18NG-RC	18	13 / 500MHz	3.1	2.0	80		
PM0402T-22NG-RC	22	13 / 500MHz	2.8	2.6	70		

“-RC” suffix indicates RoHS compliance.

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.



Pad Layout

Dimensions: mm  
Tolerance: -/+ 0.1

