

LP01 Series Low Profile Power Inductor



Features

- 2.0mm Height
- Low DCR
- Frequency Range 1KHz to 500KHz
- Suitable for Pick And Place Applications
- Withstands Solder Reflow

Applications

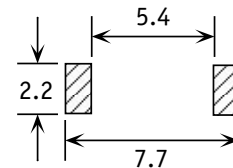
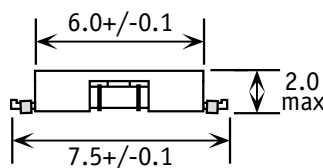
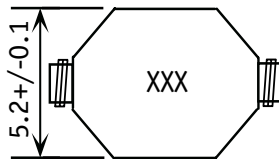
- Handheld and PDA Applications
- DC/DC Converters
- Battery Powered or Low Voltage Applications

Packaging

- Reel Diameter: 13"
- Reel Width: 16mm
- Pieces Per Reel: 3000



Mechanical



Electrical Specifications

Part Number	Inductance ¹ (μ H) +/- 20%	DCR max (Ω)	I_{SAT} ² (A)	I_{RMS} ³ (A)	SRF typ (MHz)
LP01-102-RM	1.0	.12	2.30	1.67	145
LP01-152-RM	1.5	.13	1.83	1.48	135
LP01-222-RM	2.2	.14	1.45	1.39	130
LP01-332-RM	3.3	.16	1.27	1.24	120
LP01-472-RM	4.7	.19	1.05	1.18	110
LP01-682-RM	6.8	.24	.89	1.06	85
LP01-103-RM	10	.27	.76	.98	66
LP01-153-RM	15	.31	.62	.88	45
LP01-223-RM	22	.36	.54	.80	35
LP01-333-RM	33	.56	.45	.64	30
LP01-473-RM	47	.88	.38	.52	25

1. Tested @ 100kHz, 0.1Vrms.
2. Inductance drops 30% at rated I_{SAT} .
3. Temperature rise = 40°C at rated I_{RMS} .
4. Electrical specifications at 25°C.
5. Operating temperature range: -40°C to +125°C.
6. Meets UL 94V-0.