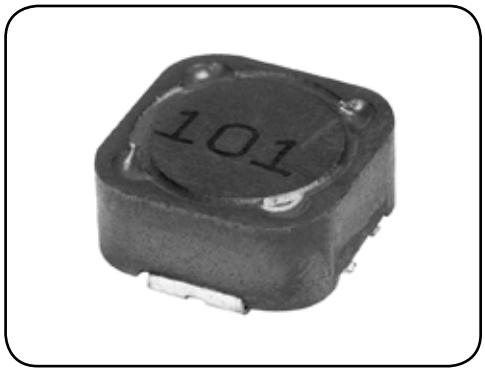
LS125 Series
Surface Mount Power Inductors



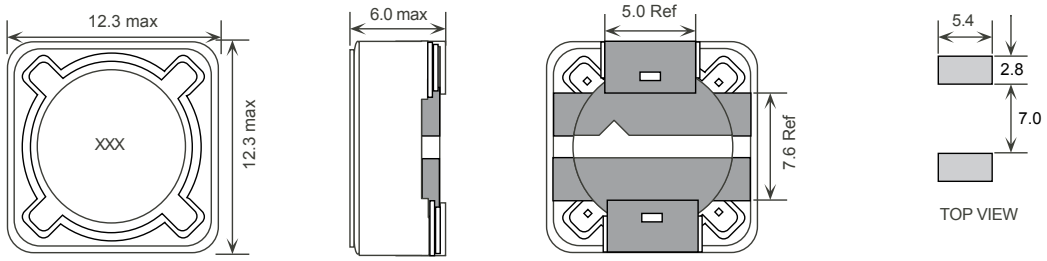
Features
- Will Handle Up To 8A
- Economical Design
- Suitable For Pick And Place
- Shielded Design

Packaging
- Reel Diameter: 330mm
- Reel Width: 24.3mm
- Pieces Per Reel: 500

Applications
- DC/DC Converters
- Output Power Chokes
- Handheld And PDA Applications
- Battery Powered Or Low Voltage Applications

RoHS

Mechanical



Unit: mm

Electrical Specifications

Part[6] Number	Inductance[1] (µH +/- 20%)	Test Frequency (Hz)	DCR max (Ω)	I_{DC} max[2] (A)
LS125-1R3-RM	1.3	7.96M	0.012	8.00
LS125-2R1-RM	2.1	7.96M	0.014	7.00
LS125-3R1-RM	3.1	7.96M	0.017	6.00
LS125-4R4-RM	4.4	7.96M	0.020	5.00
LS125-5R8-RM	5.8	7.96M	0.021	4.40
LS125-7R5-RM	7.5	7.96M	0.024	4.20
LS125-100-RM	10	1k	0.025	4.00
LS125-120-RM	12	1k	0.027	3.50
LS125-150-RM	15	1k	0.030	3.30
LS125-180-RM	18	1k	0.034	3.00
LS125-220-RM	22	1k	0.036	2.80
LS125-270-RM	27	1k	0.051	2.30
LS125-330-RM	33	1k	0.057	2.10
LS125-390-RM	39	1k	0.068	2.00
LS125-470-RM	47	1k	0.075	1.80
LS125-560-RM	56	1k	0.11	1.70
LS125-680-RM	68	1k	0.12	1.50
LS125-820-RM	82	1k	0.14	1.40
LS125-101-RM	100	1k	0.16	1.30
LS125-121-RM	120	1k	0.17	1.10
LS125-151-RM	150	1k	0.23	1.00
LS125-181-RM	180	1k	0.29	.90
LS125-221-RM	220	1k	0.40	.80
LS125-271-RM	270	1k	0.46	.75
LS125-331-RM	330	1k	0.51	.68
LS125-391-RM	390	1k	0.69	.65
LS125-471-RM	470	1k	0.77	.58
LS125-561-RM	560	1k	0.86	.54
LS125-681-RM	680	1k	1.20	.48
LS125-821-RM	820	1k	1.34	.43
LS125-102-RM	1000	1k	1.53	.40

1. Test Voltage:
   1R3-7R6: 7.96MHz/0.1V
   100-102: 1KHz/0.25V
2. Inductance drop = 10% at rated I_{DC} max.
3. Electrical specifications at 25°C.
4. Operating temperature range:
   -40°C to +85°C.
5. Meets UL 94V-0.
6. Optional Tolerances: 10%(K), 15%(L), and 30%(N).