

# LS127 Series Surface Mount Power Inductors



## Features

- Will Handle Up To 9.8A
- Economical Design
- Suitable For Pick And Place
- Shielded Design

## Applications

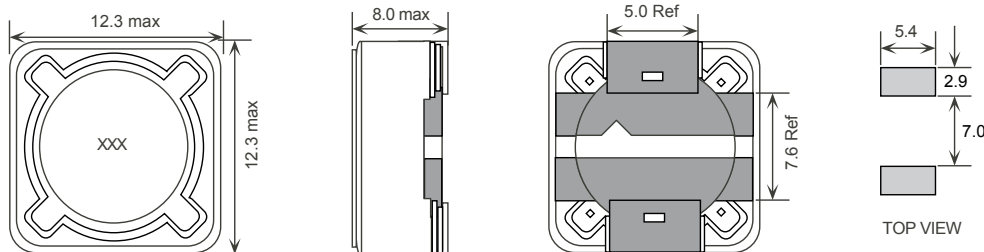
- DC/DC Converters
- Output Power Chokes
- Handheld And PDA Applications
- Battery Powered Or Low Voltage Applications

## Packaging

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



## Mechanical



Unit: mm

## Electrical Specifications

Part <sup>6</sup> Number	Inductance <sup>1</sup> ( $\mu\text{H} \pm 20\%$ )	Test Frequency (kHz)	DCR max ( $\Omega$ )	$I_{\text{DC}} \text{ max}^2$ (A)
LS127-1R2-RM	1.2	100	0.007	9.80
LS127-2R4-RM	2.4	100	0.0115	8.00
LS127-3R5-RM	3.5	100	0.0135	7.50
LS127-4R7-RM	4.7	100	0.0158	6.80
LS127-6R1-RM	6.1	100	0.0176	6.60
LS127-7R6-RM	7.6	100	0.0200	5.90
LS127-100-RM	10	1	0.0216	5.40
LS127-120-RM	12	1	0.0243	4.90
LS127-150-RM	15	1	0.0270	4.50
LS127-180-RM	18	1	0.0392	3.90
LS127-220-RM	22	1	0.0432	3.60
LS127-270-RM	27	1	0.0459	3.40
LS127-330-RM	33	1	0.0648	3.00
LS127-390-RM	39	1	0.0729	2.75
LS127-470-RM	47	1	0.10	2.50
LS127-560-RM	56	1	0.11	2.35
LS127-680-RM	68	1	0.14	2.10
LS127-820-RM	82	1	0.16	1.95
LS127-101-RM	100	1	0.22	1.70
LS127-121-RM	120	1	0.25	1.60
LS127-151-RM	150	1	0.28	1.42
LS127-181-RM	180	1	0.35	1.30
LS127-221-RM	220	1	0.39	1.16
LS127-271-RM	270	1	0.56	1.06
LS127-331-RM	330	1	0.64	0.95
LS127-391-RM	390	1	0.70	0.88
LS127-471-RM	470	1	0.98	0.79
LS127-561-RM	560	1	1.07	0.73
LS127-681-RM	680	1	1.46	0.67
LS127-821-RM	820	1	1.64	0.60
LS127-102-RM	1000	1	1.82	0.55

1. Test Voltage:  
1R2-7R6: 0.1Vrms  
100-102: 0.25Vrms
2. Inductance drop = 10% at rated  $I_{\text{DC}} \text{ max}$ .
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).