

# LS74 Series Surface Mount Power Inductors



## Features

- Will Handle Up To 1.84A
- Economical Design
- Suitable For Pick And Place
- Withstands Solder Reflow
- Shielded Design

## Applications

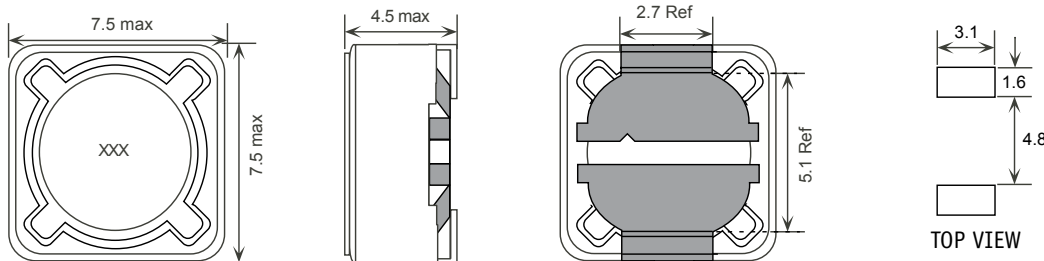
- DC/DC Converters
- Output Power Chokes
- Handheld And PDA Applications
- Battery Powered Or Low Voltage Applications

## Packaging

- Reel Diameter: 330mm
- Reel Width: 16.3mm
- Pieces Per Reel: 1000



## Mechanical



Unit: mm

## Electrical Specifications

Part <sup>6</sup> Number	Inductance <sup>1</sup> ( $\mu$ H)	Test Frequency (kHz)	DCR max ( $\Omega$ )	$I_{DC}$ max <sup>2</sup> (A)
LS74-100-RM	10	1	0.049	1.84
LS74-120-RM	12	1	0.058	1.71
LS74-150-RM	15	1	0.081	1.47
LS74-180-RM	18	1	0.091	1.31
LS74-220-RM	22	1	0.11	1.23
LS74-270-RM	27	1	0.15	1.12
LS74-330-RM	33	1	0.17	.96
LS74-390-RM	39	1	0.23	.91
LS74-470-RM	47	1	0.26	.88
LS74-560-RM	56	1	0.35	.75
LS74-680-RM	68	1	0.38	.69
LS74-820-RM	82	1	0.43	.61
LS74-101-RM	100	1	0.61	.60
LS74-121-RM	120	1	0.66	.52
LS74-151-RM	150	1	0.88	.46
LS74-181-RM	180	1	0.98	.42
LS74-221-RM	220	1	1.17	.36
LS74-271-RM	270	1	1.64	.34
LS74-331-RM	330	1	1.86	.32
LS74-391-RM	390	1	2.85	.29
LS74-471-RM	470	1	3.01	.26
LS74-561-RM	560	1	3.62	.23
LS74-681-RM	680	1	4.63	.22
LS74-821-RM	820	1	5.20	.20
LS74-102-RM	1000	1	6.00	.18

1. Tested @ 1kHz, 0.25Vrms.
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).