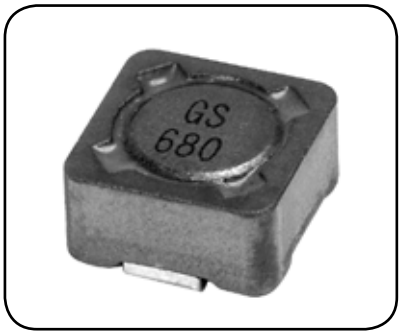
# LS74 Series
# Surface Mount Power Inductors



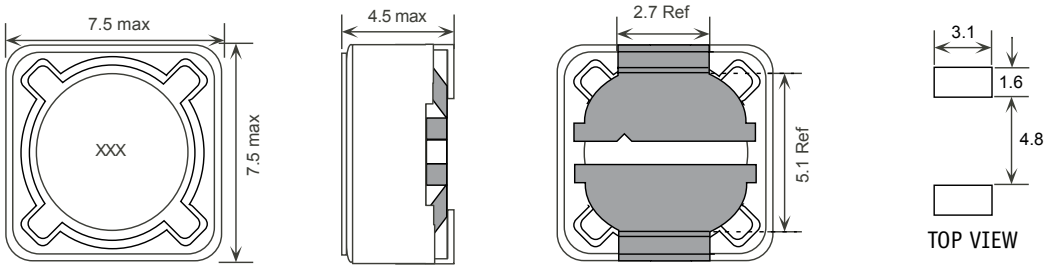

## Features
- Will Handle Up To 1.84A
- Economical Design
- Suitable For Pick And Place
- Withstands Solder Reflow
- Shielded Design

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

## 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) | Test Frequency (khz) | DCR max (Ω) | $I_{DC}$ max[2] (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).