



Surface Mount Power Inductors

LS5022 Series



FEATURES

- Will Handle up to 8.0A
- Suitable for Pick and Place
- Withstands Solder Reflow
- High Performance Shielded Design

APPLICATIONS

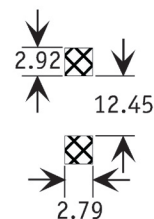
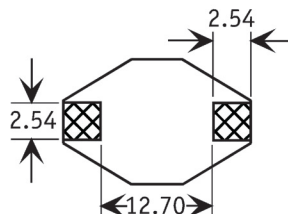
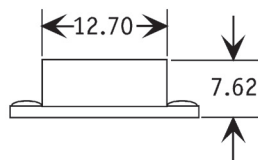
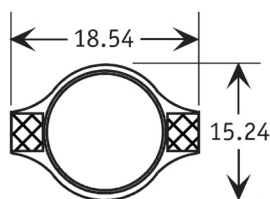
- DC/DC Converters
- Output Power Chokes
- High Current Applications

PACKAGING

- Reel Diameter: 13"
- Reel Width: 32mm
- Pieces Per Reel: 250



Mechanical



Electrical Specifications

Part Number	Inductance ¹ (uH +/- 20%)	DCR max (Ω)	I _{dc} max ² (A)
LS5022-100-RM	10	0.040	8.0
LS5022-150-RM	15	0.048	7.0
LS5022-220-RM	22	0.059	6.0
LS5022-330-RM	33	0.075	5.0
LS5022-470-RM	47	0.097	4.0
LS5022-680-RM	68	0.138	3.0
LS5022-101-RM	100	0.207	2.4
LS5022-151-RM	150	0.293	2.1
LS5022-221-RM	220	0.47	1.9
LS5022-331-RM	330	0.78	1.1
LS5022-471-RM	470	1.08	1.1
LS5022-681-RM	680	1.40	0.96
LS5022-102-RM	1,000	2.01	0.80

1. Tested @ 100kHz, 0.1Vrms.
2. Inductance drop = 10% at rated I_{dc} max.
3. Operating temperature range: -40°C to +85°C.
4. Electrical specifications at 25°C.
5. Meets UL 94V-0.