

L05022 Series Surface Mount Power Inductors



Features

- Will Handle up to 20A
- Suitable for Pick and Place
- Withstands Solder Reflow

Applications

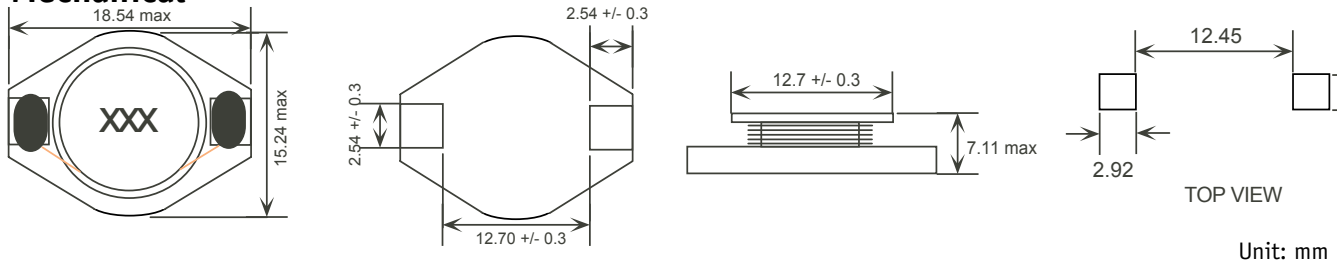
- DC/DC Converters
- Output Power Chokes
- High Current Applications

Packaging

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



Mechanical



Electrical Specifications

Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR max (Ω)	I_{dc} max ² (A)
L05022-1R0-RM	1.0	0.009	20.0
L05022-2R2-RM	2.2	0.014	16.0
L05022-3R3-RM	3.3	0.015	14.0
L05022-5R6-RM	5.6	0.020	12.0
L05022-100-RM	10	0.031	10.0
L05022-150-RM	15	0.036	8.0
L05022-220-RM	22	0.047	7.0
L05022-330-RM	33	0.066	5.5
L05022-470-RM	47	0.086	4.5
L05022-680-RM	68	0.13	3.5
L05022-101-RM	100	0.19	3.0
L05022-151-RM	150	0.25	2.6
L05022-221-RM	220	0.38	2.4
L05022-331-RM	330	0.56	1.9
L05022-471-RM	470	0.85	1.4
L05022-681-RM	680	1.10	1.2
L05022-102-RM	1,000	1.80	1.0

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