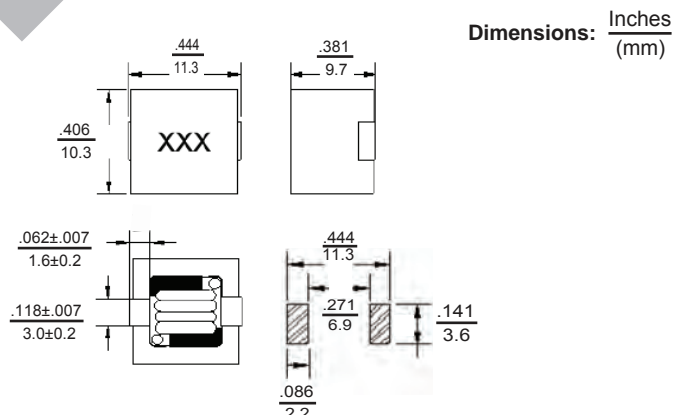




Power Shielded Inductor

PS100



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC mΩ Max	Isat (A) Max	Irms (A) Max
PS100-R22M-RC	.22	20	100	1.60	55	22
PS100-R33M-RC	.33	20	100	1.60	42	22
PS100-R47M-RC	.47	20	100	1.85	36	20
PS100-R56M-RC	.56	20	100	1.85	32	20
PS100-R68M-RC	.68	20	100	2.65	28	17
PS100-R82M-RC	.82	20	100	2.65	24	17
PS100-1R0M-RC	1.0	20	100	2.65	21	17
PS100-1R5M-RC	1.5	20	100	4.00	17	13.5
PS100-2R2M-RC	2.2	20	100	5.30	14	12
PS100-3R3M-RC	3.3	20	100	7.70	10	11
PS100-4R7M-RC	4.7	20	100	10.8	8.5	10
PS100-6R8M-RC	6.8	20	100	16.9	7	9
PS100-8R2M-RC	8.2	20	100	16.9	6	9
PS100-100M-RC	10.0	20	100	26.0	5	7

All specifications subject to change without notice.

Features

- SMD Ultra High Current up to 50
- Magnetically Shielded Construction
- Designed for low buzz noise
- Low DC Resistance
- Suitable for pick and place

Electrical

Inductance Range: .22μH to 10μH additional values available.

Tolerance: 20% over entire range
Available in tighter tolerances

Test Frequency: 100KHz

Operating Temp: -40°C to +125°C

Temp. Rise: Δ=40°C Typical at rated Irms without without core loss.

Part temperature should not exceed 125°C including temperature rise.

Inductance drop: 20% typical at rated Isat

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C ± 5°C

Immersion Time: 10 sec. ± 1 sec.

Test Equipment

(L): WK 4237 Meter

RDC: HK502BC Meter

Isat/Irms: WK3260B & DC Bias 3265B WK

Physical

Packaging: 400 pieces per 13 inch reel.

Marking: EIA Inductance Code