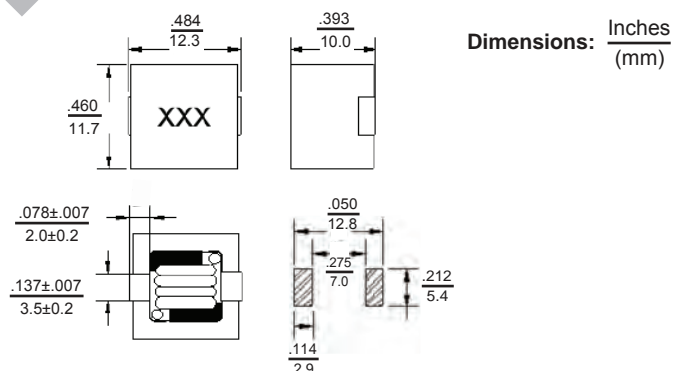




Power Shielded Inductor

PS120



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC mΩ Max	Isat (A) Max	I _{rms} (A) Max
PS120-R22M-RC	.22	20	100	1.5	55	37
PS120-R33M-RC	.33	20	100	1.5	45	37
PS120-R47M-RC	.47	20	100	1.8	45	35
PS120-R56M-RC	.56	20	100	1.8	35	35
PS120-R68M-RC	.68	20	100	1.8	33	35
PS120-R82M-RC	.82	20	100	2.4	31	30
PS120-1R0M-RC	1.0	20	100	2.4	28	30
PS120-1R5M-RC	1.5	20	100	3.5	24	25
PS120-2R2M-RC	2.2	20	100	4.7	18	21
PS120-3R3M-RC	3.3	20	100	6.3	14	15
PS120-4R7M-RC	4.7	20	100	8.8	11	12
PS120-6R8M-RC	6.8	20	100	12.5	9	10
PS120-8R2M-RC	8.2	20	100	13.0	7	9
PS120-100M-RC	10.0	20	100	18.7	6	8

All specifications subject to change without notice.

Features

- SMD Ultra High Current up to 50A Isat
- 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 I_{rms} 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): WK4237 Meter

RDC: HK502BC Meter

Isat/I_{rms}: WK3260B & DC Bias 3265B WK

Physical

Packaging: 300 pieces per 13 inch reel.

Marking: EIA Inductance Code