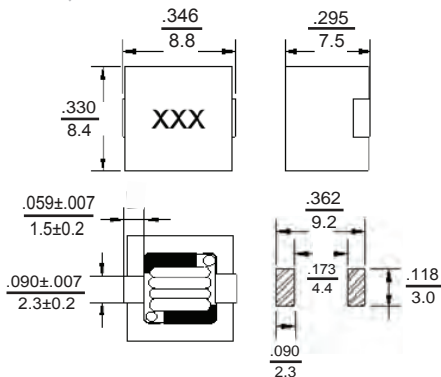




Power Shielded Inductor

PS80



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC mΩ Max	Isat (A) Max	Irms (A) Max
PS80-R30M-RC	.30	20	100	2.7	27	16
PS80-R33M-RC	.33	20	100	2.7	45	22
PS80-R47M-RC	.47	20	100	3.1	25	15
PS80-R56M-RC	.56	20	100	3.1	30	20
PS80-R68M-RC	.68	20	100	3.1	20	15
PS80-R82M-RC	.82	20	100	4.2	21	18
PS80-1R0M-RC	1.0	20	100	4.3	15	13
PS80-1R2M-RC	1.2	20	100	5.8	16	15
PS80-1R5M-RC	1.5	20	100	6.2	11	10
PS80-2R2M-RC	2.2	20	100	6.2	8	10
PS80-3R3M-RC	3.3	20	100	9.0	5	1

All specifications subject to change without notice.

Features

- SMD Ultra High Current up to 45A
- Magnetically Shielded Construction
- Designed for low buzz noise
- Low DC Resistance
- Suitable for pick and place

Electrical

Inductance Range: .30μH to 3.3μH additional values available.

Tolerance: 20% over entire range
Available in tighter tolerances

Test Frequency: 100KHz

Operating Temp: -40°C to +125°C

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

Inductance drop: 20% typical at rated Isat
Part temperature should not exceed 125°C including temperature rise.

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: HK502BS Meter

Isat/Irms: WK3260B & DC Bias 3265B WK

Physical

Packaging: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code