



SPO3012 SERIES – Low Profile SMD Power Inductors



RoHS Compliant

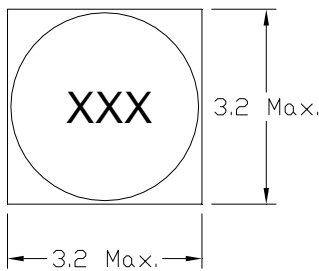
PART NUMBERING SYSTEM

<u>SPO</u>	<u>3 0 1 2</u>	<u>1 R 0 M</u>	<u>L F</u>
TYPE	DIMENSIONS	INDUCTANCE	LEAD FREE

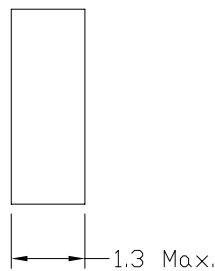
SHAPES , DIMENSIONS AND PCB LAYOUT

UNIT : mm

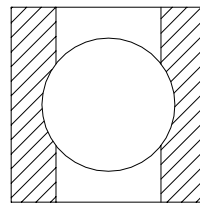
TOP VIEW



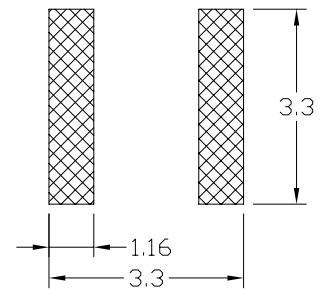
FRONT VIEW



BOTTOM VIEW



PCB PATTERN



FEATURES

Designed for applications requiring high inductance, high current & ultra – low profile.

Ideal for a variety EL lamp inverter and Cellular phone inductor applications.

Lead free and RoHS compliant



SPO3012 SERIES – Low Profile SMD Power Inductors



RoHS Compliant

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (Hz)
SPO3012-1R0M-LF	1.0 \pm 20%	115.0	1.55	100K/1V
SPO3012-1R5M-LF	1.5 \pm 20%	140.0	1.20	100K/1V
SPO3012-2R2M-LF	2.2 \pm 20%	180.0	0.95	100K/1V
SPO3012-3R3M-LF	3.3 \pm 20%	270.0	0.80	100K/1V
SPO3012-4R7M-LF	4.7 \pm 20%	370.0	0.65	100K/1V
SPO3012-6R8M-LF	6.8 \pm 20%	550.0	0.55	100K/1V
SPO3012-100M-LF	10 \pm 20%	700.0	0.45	100K/1V

DC current at which the inductance drops 35% (typ) from its value without current.

Operating temperature range -40 to +85 .

Electrical specifications at 25 .

Packing : 13" reel, machine-ready ,embossed plastic tape (2,000 parts per full reel).