

## SPO3012 SERIES – Low Profile SMD Power Inductors



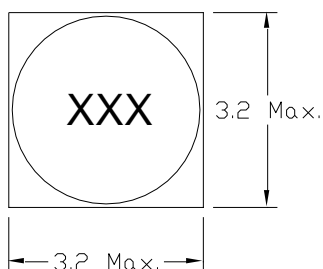
### PART NUMBERING SYSTEM

<b>SPO</b>	<b>3012</b>	<b>4R7M</b>	<b>LF</b>
TYPE	DIMENSIONS	INDUCTANCE	LEAD FREE

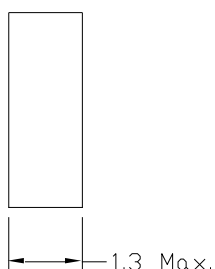
### SHAPES AND DIMENSIONS / PCB LAYOUT

UNIT : mm

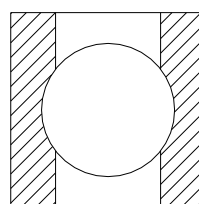
TOP VIEW



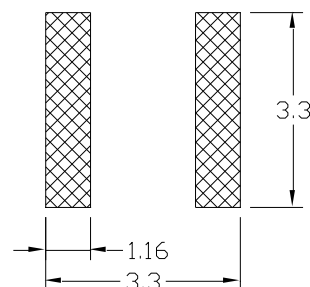
FRONT VIEW



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



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (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°C to +105°C.
- Electrical specifications at 25°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (2,000 parts per full reel).