



PSM0315 Series

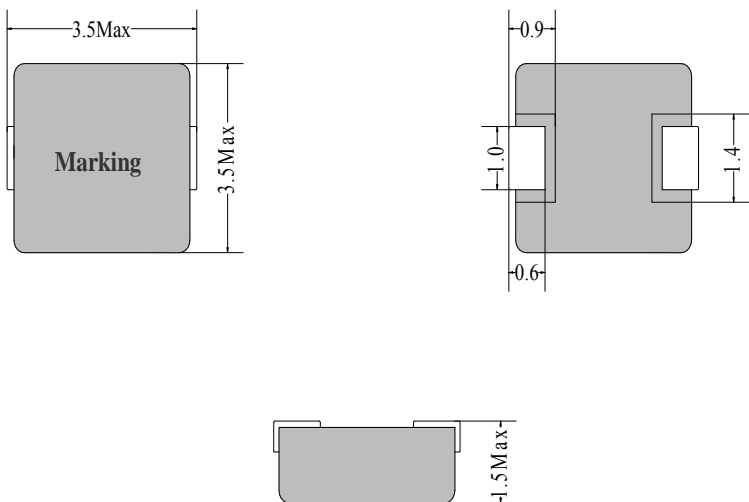
SMD Molded High Current Inductor

Web:<http://www.dgpinzhan.com>

E-mail:sale@dgpinzhan.com

Created	Checked	Type	Date	Version	Page
Tom	Justin	SMD	2018/9/5	A001	1

1. Dimensions: [mm]



4. General Properties:

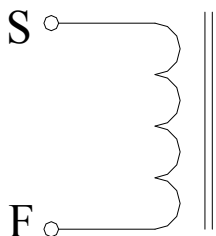
It is recommended that the temperature of the component does not exceed +125°C under worst case conditions

Ambient Temperature(referring to IR)	-40 °C up to +85 °C
Operating Temperature:	-40 °C up to +125 °C
Storage Temperature (in original packaging)	-20 °C up to +40 °C"75% RH Max
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently.if not specified differently	

5. Electrical Properties:

Part Code	Inductance	Test condition	DC-Resistance	Heat Rating Current	Saturation current
PSM0315-R22N	0.22uH±30%	100KHZ/1V	19mΩ Max	6.0A Max	8.2A Max
PSM0315-R33N	0.33uH±30%	100KHZ/1V	23mΩ Max	5.3A Max	7.5A Max
PSM0315-R47N	0.47uH±30%	100KHZ/1V	29mΩ Max	4.8A Max	7.0A Max
PSM0315-R56N	0.56uH±30%	100KHZ/1V	35mΩ Max	4.5A Max	6.5A Max
PSM0315-R68N	0.68uH±30%	100KHZ/1V	42mΩ Max	4.0A Max	6.0A Max
PSM0315-R82N	0.82uH±30%	100KHZ/1V	47mΩ Max	3.8A Max	5.5A Max
PSM0315-1R0N	1.0uH±30%	100KHZ/1V	52mΩ Max	3.5A Max	5.0A Max
PSM0315-1R5N	1.5uH±30%	100KHZ/1V	75mΩ Max	3.0A Max	4.0A Max

2. Schematic:



3. PCB Layout Ref(mm)

