



PSM0850 Series

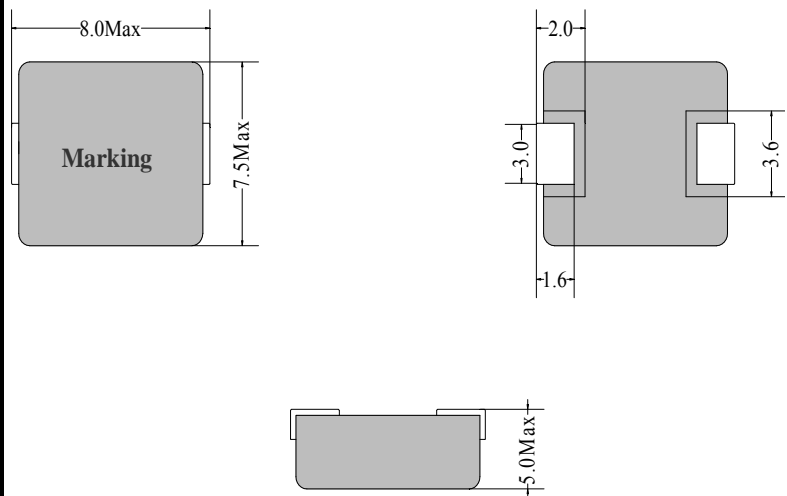
SMD Molded High Current Inductor

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

1. Dimensions: [mm]



4. General Properties:

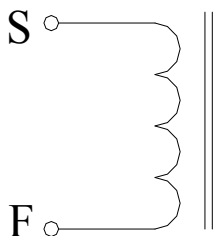
It is recommended that the temperature of the component does not exceed +125°C under worst case conditions

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
PSM0850-2R2N	2.2uH±30%	100KHZ/1V	12mΩ Max	10.0A Max	15.0A Max
PSM0850-3R3N	3.3uH±30%	100KHZ/1V	20mΩ Max	8.0A Max	12.0A Max
PSM0850-4R7N	4.7uH±30%	100KHZ/1V	23mΩ Max	7.0A Max	10.5A Max
PSM0850-6R8N	6.8uH±30%	100KHZ/1V	40mΩ Max	6.0A Max	9.50A Max
PSM0850-8R2N	8.2uH±30%	100KHZ/1V	48mΩ Max	6.0A Max	9.0A Max
PSM0850-100N	10uH±30%	100KHZ/1V	50mΩ Max	5.5A Max	7.5A Max
PSM0850-220N	22uH±30%	100KHZ/1V	140mΩ Max	3.0A Max	5.0A Max
PSM0850-270N	27uH±30%	100KHZ/1V	182mΩ Max	3.0A Max	5.0A Max
PSM0850-330N	33uH±30%	100KHZ/1V	200mΩ Max	2.5A Max	4.0A Max
PSM0850-470N	47uH±30%	100KHZ/1V	250mΩ Max	2.5A Max	3.0A Max
PSM0850-560N	56uH±30%	100KHZ/1V	310mΩ Max	2.0A Max	3.0A Max

2. Schematic:



3. PCB Layout Ref(mm)

