

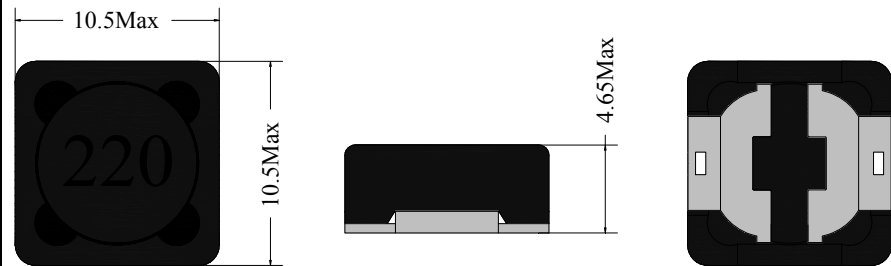


PDRH1045 Series

SMD Power inductor
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1. Dimensions: [mm]



4. General Properties:

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

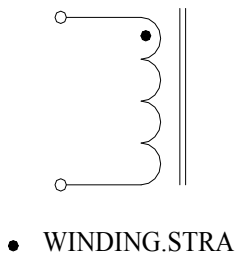
Storage Temperature:	-20 °C up to +60 °C
Operating Temperature:	-40 °C up to +125 °C
Temperature Rise < 55K.	
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently.	

5. Electrical Properties:

Part Code	Inductance	Test conditions	DC-Resistance	Isat	Irms ΔT=40°C
PDRH1045-6R8M	6.8uH ±20%	100KHZ/0.1V	37mΩ Max	5.2A Max	4.8A Max
PDRH1045-100M	10uH ±20%	100KHZ/0.1V	45mΩ Max	4.8A Max	4.3A Max
PDRH1045-150M	15uH ±20%	100KHZ/0.1V	75mΩ Max	4.0A Max	2.8A Max
PDRH1045-220M	22uH ±20%	100KHZ/0.1V	90mΩ Max	2.3A Max	2.0A Max
PDRH1045-330M	33uH ±20%	100KHZ/0.1V	135mΩ Max	2.2A Max	1.8A Max
PDRH1045-470M	47uH ±20%	100KHZ/0.1V	150mΩ Max	2.0A Max	1.6A Max
PDRH1045-560M	56uH ±20%	100KHZ/0.1V	200mΩ Max	1.9A Max	1.5A Max
PDRH1045-680M	68uH ±20%	100KHZ/0.1V	245mΩ Max	1.7A Max	1.3A Max
PDRH1045-101M	100uH ±20%	100KHZ/0.1V	510mΩ Max	1.4A Max	1.0A Max
PDRH1045-102M	1000uH ±20%	100KHZ/0.1V	3.5Ω Max	0.5A Max	0.3A Max
PDRH1045-152M	1500uH ±20%	100KHZ/0.1V	4.8Ω Max	0.3A Max	0.2A Max
PDRH1045-202M	2000uH ±20%	100KHZ/0.1V	7.3Ω Max	0.23A Max	0.2A Max
PDRH1045-222M	2200uH ±20%	100KHZ/0.1V	7.0Ω Max	0.24A Max	0.12A Max

*** Acceptable customers design custom**

2. Schematic:



3. PCB Layout Ref(mm)

