

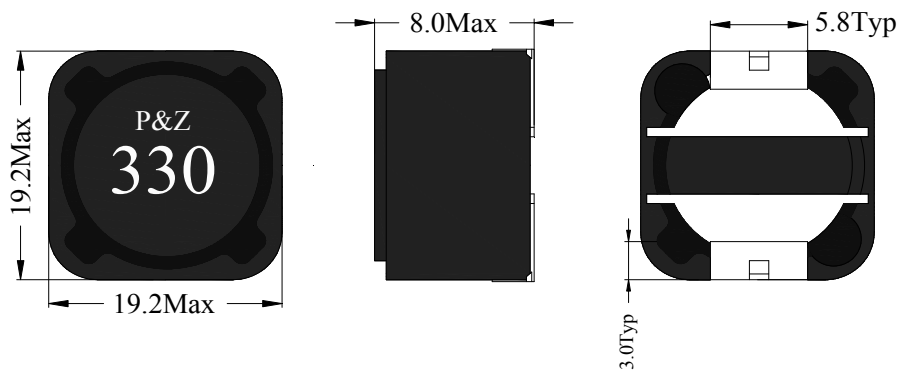


# PDRH1808 Series

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.	

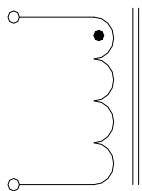
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently.

## 5. Electrical Properties:

Part Code	Inductance	Test conditions	DC-Resistance	Isatdrop ≤30%	Irms ΔT=40°C
PDRH1808-2R2M	2.2uH ±20%	100KHZ/0.1V	6mΩ Max	28A Max	18A Max
PDRH1808-3R3M	3.3uH ±20%	100KHZ/0.1V	9.5mΩ Max	24A Max	14A Max
PDRH1808-4R7M	4.7uH ±20%	100KHZ/0.1V	11mΩ Max	19A Max	13A Max
PDRH1808-6R8M	6.8uH ±20%	100KHZ/0.1V	12.5mΩ Max	17A Max	12A Max
PDRH1808-100M	10uH ±20%	100KHZ/0.1V	16.5mΩ Max	14A Max	11A Max
PDRH1808-150M	15uH ±20%	100KHZ/0.1V	19.5mΩ Max	11A Max	10.5A Max
PDRH1808-220M	22uH ±20%	100KHZ/0.1V	26.5mΩ Max	9.2A Max	8.5A Max
PDRH1808-330M	33uH ±20%	100KHZ/0.1V	33mΩ Max	7.5A Max	6.5A Max
PDRH1808-470M	47uH ±20%	100KHZ/0.1V	49mΩ Max	6.5A Max	6.0A Max
PDRH1808-680M	68uH ±20%	100KHZ/0.1V	72.5mΩ Max	5.4A Max	4.8A Max
PDRH1808-101M	100uH ±20%	100KHZ/0.1V	91.5mΩ Max	4.5A Max	3.8A Max
PDRH1808-2211M	220uH ±20%	100KHZ/0.1V	225mΩ Max	3.0A Max	2.6A Max
PDRH1808-222M	2200uH ±20%	100KHZ/0.1V	2450Ω Max	0.95A Max	0.8A Max

**\* Acceptable customers design custom**

## 2. Schematic:



• WINDING.STRA

## 3. PCB Layout Ref(mm)

