

# SHIELDED SMD POWER INDUCTOR



## PSE104 SERIES



- High current inductor for Voltage Regulated Module (VRM)
- Good for DC/DC converter and switch-mode power supply applications
- High current in compact package
- Operating temperature range: -55°C to +120°C
- RoHS compliant product

## ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ( $\mu$ H) $\pm 20\%$	DCR (m $\Omega$ ) Typ	DCR (m $\Omega$ ) Max	I <sub>DC</sub> (A) Typ	I <sub>SAT</sub> (A) Typ
PSE104-					
R22M	0.22	1.1	1.5	32.0	50.0
R36M	0.36	1.5	1.7	31.5	50.0
R47M	0.47	1.5	1.9	27.5	49.0
R56M	0.56	1.9	2.3	27.5	49.0
R68M	0.68	2.0	2.5	23.0	40.0
R88M	0.88	2.7	3.0	20.0	38.0
1R0M	1.0	3.7	4.1	17.5	36.0
1R5M	1.5	5.3	6.0	15.0	27.5
1R8M	1.8	7.0	8.2	15.0	27.5
2R2M	2.2	8.2	9.0	12.0	25.6
3R3M	3.3	10.8	12	10.0	18.6
4R7M	4.7	15.0	16.5	9.5	17.0
5R6M	5.6	17.6	19.3	8.5	16.0
6R8M	6.8	19.5	25.0	8.0	14.0
8R2M	8.2	21.2	23.3	8.0	13.5
100M	10.0	33.2	36.5	6.8	12.0
150M	15.0	51.0	65.0	3.5	7.0
220M	22.0	90.0	120.0	2.0	3.0
330M	33.0	155.0	200.0	1.8	2.8

- Inductance measured at 100kHz / 0.1V<sub>RMS</sub>
- I<sub>DC</sub>: DC current (A) at which the  $\Delta T$  of 40°C increase, typical
- I<sub>SAT</sub>: DC current (A) for a  $\Delta L$  drop 30% typical from initial value
- Inductance tolerance M=20%
- Ambient temperature: 125°C Max.

### Dimensions

Unless otherwise specified, all tolerances are:  
 inch: .XX :  $\pm 0.015$  .XXX :  $\pm 0.004$   
 mm: X,X :  $\pm 0,38$  X,XX :  $\pm 0,10$

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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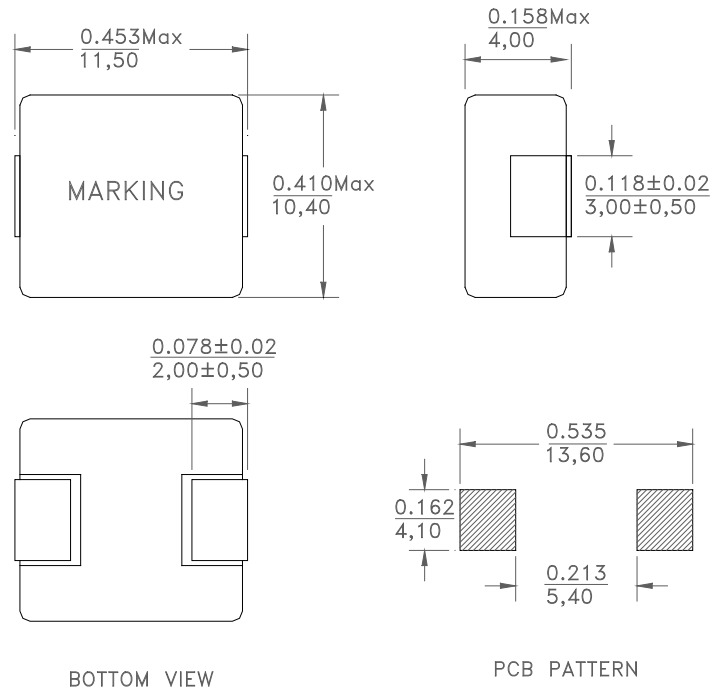
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### DIMENSIONS



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