



## SHIELDED POWER INDUCTOR DR340-5 SERIES

### Features

- Maximum Height: 4.5mm
- Footprint: 7.3mm x 7.3mm
- Inductance Range from 10 $\mu$ H to 1.0mH
- Non-RoHS Versions are Available (Note 7)

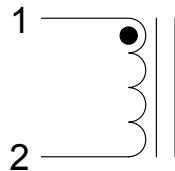
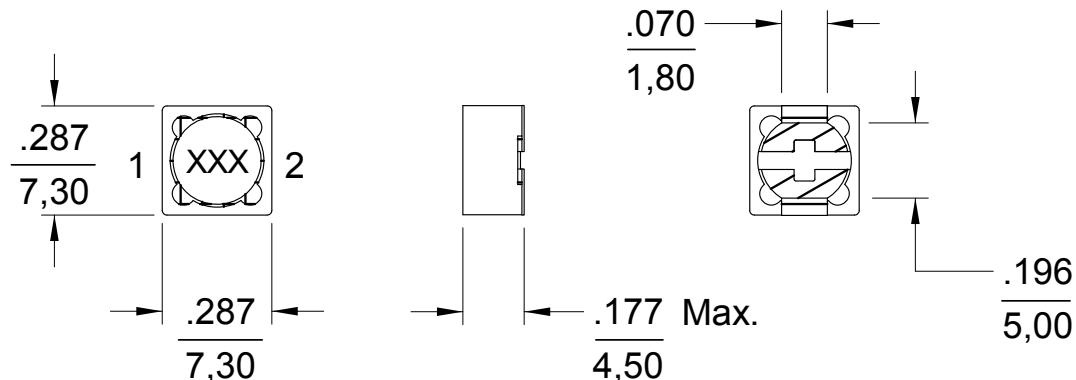


| ELECTRICAL SPECIFICATIONS AT 25°C |                                 | OPERATING TEMPERATURE -20°C to +80°C |                       |              |
|-----------------------------------|---------------------------------|--------------------------------------|-----------------------|--------------|
| Part Number                       | Inductance ( $\mu$ H) $\pm$ 20% | Test Frequency                       | DCR ( $\Omega$ ) Max. | IDC (A) Max. |
| DR340-5-102                       | 1 $\mu$ $\pm$ 30%               | 1kHz                                 | 0.015                 | 8.0          |
| DR340-5-103                       | 10                              | 1kHz                                 | 0.049                 | 1.84         |
| DR340-5-123                       | 12                              | 1kHz                                 | 0.058                 | 1.71         |
| DR340-5-153                       | 15                              | 1kHz                                 | 0.081                 | 1.47         |
| DR340-5-183                       | 18                              | 1kHz                                 | 0.091                 | 1.31         |
| DR340-5-223                       | 22                              | 1kHz                                 | 0.110                 | 1.23         |
| DR340-5-273                       | 27                              | 1kHz                                 | 0.150                 | 1.12         |
| DR340-5-333                       | 33                              | 1kHz                                 | 0.170                 | 0.96         |
| DR340-5-393                       | 39                              | 1kHz                                 | 0.230                 | 0.91         |
| DR340-5-473                       | 47                              | 1kHz                                 | 0.260                 | 0.88         |
| DR340-5-563                       | 56                              | 1kHz                                 | 0.350                 | 0.75         |
| DR340-5-683                       | 68                              | 1kHz                                 | 0.380                 | 0.69         |
| DR340-5-823                       | 82                              | 1kHz                                 | 0.430                 | 0.61         |
| DR340-5-104                       | 100                             | 1kHz                                 | 0.610                 | 0.60         |
| DR340-5-124                       | 120                             | 1kHz                                 | 0.660                 | 0.52         |
| DR340-5-154                       | 150                             | 1kHz                                 | 0.880                 | 0.46         |
| DR340-5-184                       | 180                             | 1kHz                                 | 0.980                 | 0.42         |
| DR340-5-224                       | 220                             | 1kHz                                 | 1.170                 | 0.36         |
| DR340-5-274                       | 270                             | 1kHz                                 | 1.640                 | 0.34         |
| DR340-5-334                       | 330                             | 1kHz                                 | 1.860                 | 0.32         |
| DR340-5-394                       | 390                             | 1kHz                                 | 2.850                 | 0.29         |
| DR340-5-474                       | 470                             | 1kHz                                 | 3.010                 | 0.26         |
| DR340-5-564                       | 560                             | 1kHz                                 | 3.620                 | 0.23         |
| DR340-5-684                       | 680                             | 1kHz                                 | 4.630                 | 0.22         |
| DR340-5-824                       | 820                             | 1kHz                                 | 5.200                 | 0.20         |
| DR340-5-105                       | 1000                            | 1kHz                                 | 6.000                 | 0.18         |

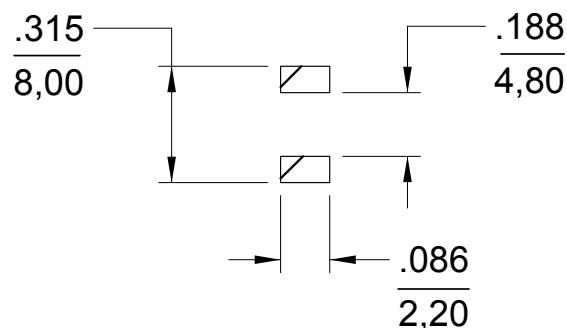


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### MECHANICAL OUTLINES



SCHEMATIC



### NOTES:

1. Dimensions are shown in inches/millimeters
2. Unless otherwise specified, tolerance = Inches:  $\pm 0.012$   
= Millimeters:  $\pm 0.30$
3. IDC MAX based on the inductance being 75% of its initial value
4. Tape & reel quantity, 500 pcs/reel
5. Terminal finish is compliant to RoHS requirements
6. Solder in accordance with J-STD-002 Rev. D
7. Non-RoHS series parts 42-340-5-XXX are finished with leaded solder Sn60Pb40 or equivalent