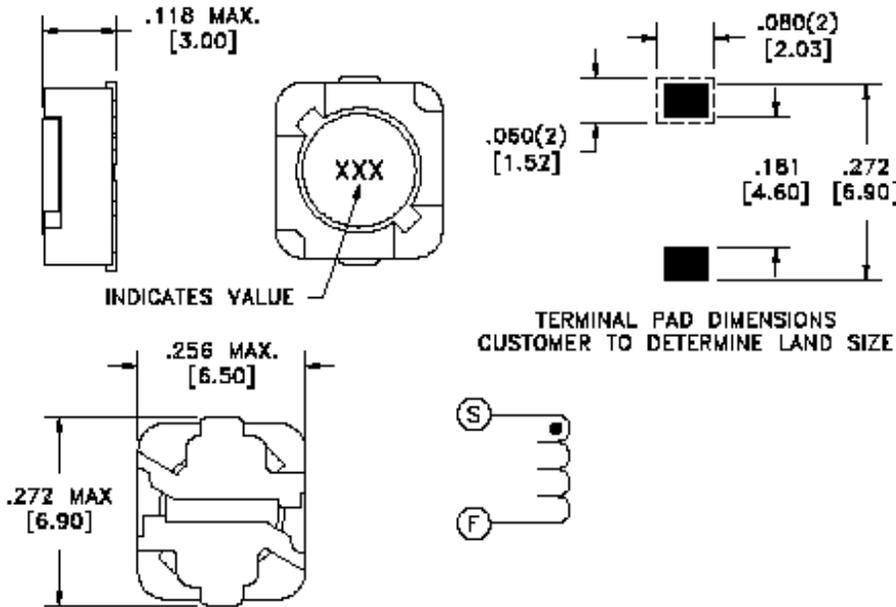


Surface Mount Drum Core Power Inductors: DSS-2712 Series



Features

- Magnetically shielded, SMD power inductors
- Small footprint with low-profile package
- Inductance range: 2.9 uH to 330uH
- Saturating current to 1.94A(dc)
- DC Resistances as low as 0.068 Ohm
- High energy storage capability
- Flat top for pick and place operations
- Tape and reel packaging for automatic handling

Applications

- DC/DC Converters, high efficiency shielded applications
- Second stage filters

Environmental Specifications

- Operating temperature range: -40°C to 85°C
- Storage temperature range: -50° to +125°C

Packaging

- Parts are packaged in 16 mm embossed carrier tape per EIA-481-2
- DSS-2712 is packaged 1,800 pieces per 13" reel

Part Number	Inductance uH +/- 20%	DCR (@20 C)	Isat (Adc)
DSS-2712-2R9R	2.90	0.068	1.94
DSS-2712-3R3R	3.30	0.068	1.94
DSS-2712-4R7R	4.70	0.080	1.63
DSS-2712-5R5R	5.50	0.096	1.40
DSS-2712-100R	10.00	0.150	1.10
DSS-2712-120R	12.00	0.200	1.00
DSS-2712-150R	15.00	0.230	0.900
DSS-2712-180R	18.00	0.270	0.800
DSS-2712-220R	22.00	0.340	0.740
DSS-2712-270R	27.00	0.380	0.660
DSS-2712-330R	33.00	0.450	0.590
DSS-2712-390R	39.00	0.490	0.540
DSS-2712-470R	47.00	0.690	0.500
DSS-2712-560R	56.00	0.780	0.460
DSS-2712-680R	68.00	1.07	0.420
DSS-2712-820R	82.00	1.21	0.380
DSS-2712-101R	100.00	1.39	0.340
DSS-2712-121R	120.00	1.90	0.310
DSS-2712-151R	150.00	2.18	0.280
DSS-2712-181R	180.00	2.77	0.260
DSS-2712-221R	220.00	3.12	0.230
DSS-2712-271R	270.00	4.38	0.220
DSS-2712-331R	330.00	4.94	0.190

NOTES

- 1 Open Circuit inductance test at 1000KHz, 100mV, 0Adc
- 2 Saturating DC current for approximately 35% rolloff from initial inductance