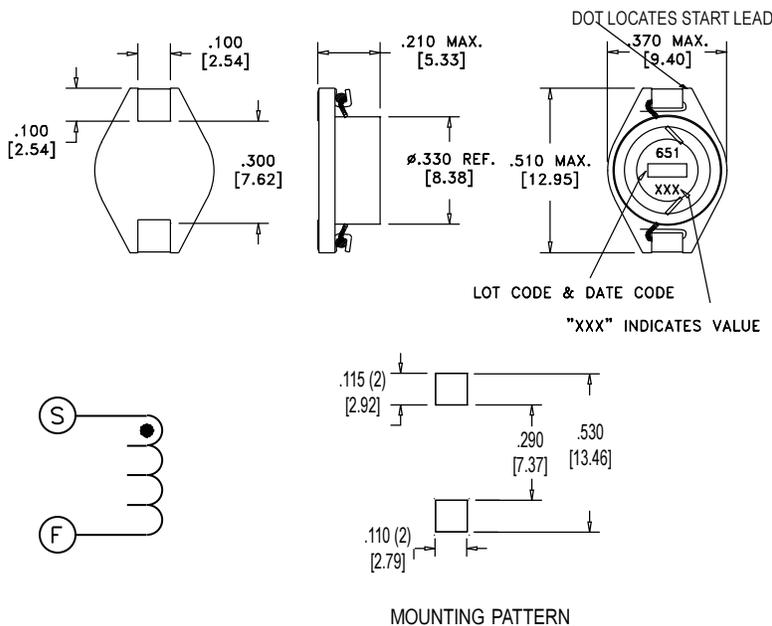


Surface Mount Drum Core Power Inductors: DSS-5121



Part Number	(Note 1) Inductance uH +/- 20%	(Note 2) DCR (ohms max)	(Note 3) Isat (Adc)	(Note 4) Icont (Adc)
DSS-5121-1R0R	1.0	0.021	5.6	5
DSS-5121-1R5R	1.5	0.022	5.2	4.5
DSS-5121-2R2R	2.2	0.032	5.0	3.8
DSS-5121-3R3R	3.3	0.039	3.9	3.3
DSS-5121-4R7R	4.7	0.054	3.2	2.7
DSS-5121-6R8R	6.8	0.075	2.8	2.2
DSS-5121-100R	10.0	0.101	2.4	2.0
DSS-5121-150R	15.0	0.150	2.0	1.5
DSS-5121-220R	22.0	0.207	1.6	1.3
DSS-5121-330R	33.0	0.334	1.4	1.1
DSS-5121-470R	47.0	0.472	1.0	0.8
DSS-5121-680R	68.0	0.651	0.9	0.7
DSS-5121-101R	100.0	0.930	0.7	0.6
DSS-5121-151R	150.0	1.206	0.6	0.5
DSS-5121-221R	220.0	1.904	0.5	0.4

NOTES:

- 1 Open circuit inductance test at 100KHz, 0.1 Vrms, 0.0Adc
- 2 DCR limits at 20°C
- 3 Saturating DC current for approximately 20% rolloff from initial inductance
- 4 Continuous DC current for approximate temperature rise of 40°C from a 25°C ambient

Features

- Magnetically shielded, SMD power inductors
- Small footprint with low-profile package
- Inductance range: 1.0 uH to 200 uH
- Saturating current to 5.6A(dc) and continuous current to 5.0A(dc)
- DC Resistances as low as .021 Ohm
- High energy storage capability
- Flat top for pick and place operations
- Tape and reel packaging for automatic handling
- Same package size and footprint as DUS-5121 and DHC-5121 series

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 24 mm embossed carrier tape per EIA-481-2
- DSS-5121 is packaged 1,000 pieces per 13" reel