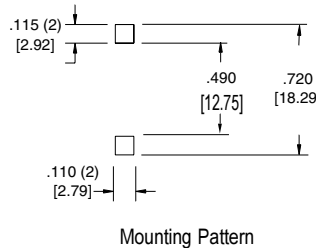
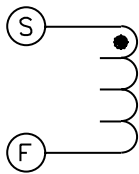
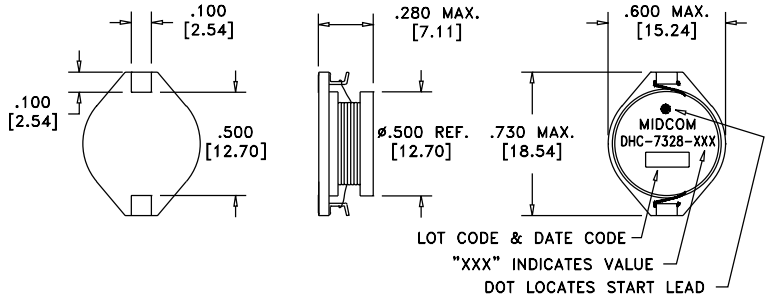


High Current Surface Mount Drum Core Power Inductors: DHC-7328 Series



Part Number	Inductance (uH ref)	(Note 1) OCL uH +/- 20%	(Note 2) DCR max (ohms max)	(Note 3) Isat (Adc)	(Note 4) Icont (Adc)
DHC-7328-R47R	0.47	0.47	0.0015	45.00	21.9
DHC-7328-R82R	0.82	0.82	0.0020	34.00	18.5
DHC-7328-1R5R	1.5	1.34	0.0033	28.90	14.6
DHC-7328-2R2R	2.2	2.12	0.0051	23.50	11.7
DHC-7328-3R3R	3.3	3.60	0.0070	19.00	10.0
DHC-7328-4R5R	4.5	4.77	0.0090	15.60	8.6
DHC-7328-6R8R	6.8	6.41	0.0140	13.50	7.1
DHC-7328-100R	10	9.39	0.0214	11.00	5.7

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

- Economical, reliable SMD inductors
 - Inductance range: 0.47 uH to 10 uH
 - Excellent current rating in a low-profile package
 - High energy storage and extremely low resistance
 - Excellent saturating (to 45A) and continuous (> 20A) current ratings
 - Designed for pick and place operations
 - Compatible with solder reflow processes to 240°C
- Same footprint as DUS-7328 and DHC-7342 series

Applications

- Highest current in a low profile inductor for DC/DC converter supplies
- Low inductance with bifilar windings for high-frequency, high-current, low-voltage supplies
- Inductors for DC/DC conversion circuits in notebook computer, peripheral, process control, factory automation and test industries
- Useful in higher current rated, medium and low voltage converters

Environmental Specifications

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

Packaging

- Parts are packaged in 32 mm embossed carrier tape per EIA-481-3
- DHC-7328 is packaged 400 pieces per 13" reel