



## LOW PROFILE SHIELDED SMD POWER INDUCTOR DR363 SERIES

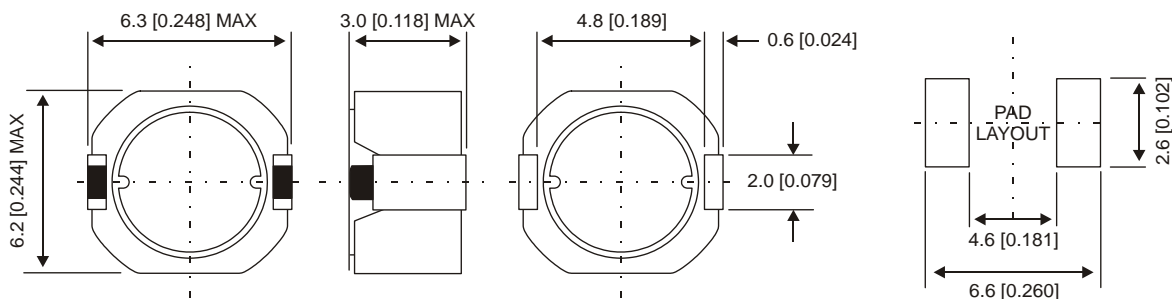
### Features

- Low Profile Surface Mount Design (Height 3.0mm / 0.118 inches)
- Inductance Range from 1.0 $\mu$ H to 150 $\mu$ H
- Ideal for variety of DC-DC Converter applications and DSC, DVC, PDA Products
- Operating Temperature : -20°C to +85°C
- Operating Frequency Range : 10kHz – 1MHz
- Tinned Leads with Leaded Solder is Available (note 4)

### Electrical Specifications at 25°C

Part Number	L ( $\mu$ H) $\pm$ 20%	Test Freq. (0.1V)	DCR (m $\Omega$ ) Max (Typ.)	Rated Current (A) Max	
				I sat	I rms
DR363-102	1.0	100kHz	13.2 (11.0)	3.59	4.03
DR363-152	1.5	100kHz	15.6 (13.0)	2.93	3.63
DR363-222	2.2	100kHz	19.2 (16.0)	2.42	3.30
DR363-362	3.6	100kHz	25.2 (21.0)	1.89	2.83
DR363-472	4.7	100kHz	32.4 (27.0)	1.66	2.45
DR363-622	6.2	100kHz	38.4 (32.0)	1.45	2.20
DR363-103	10.0	100kHz	58.8 (49.0)	1.14	1.77
DR363-123	12.0	100kHz	62.4 (52.0)	1.04	1.70
DR363-153	15.0	100kHz	74.4 (62.0)	0.93	1.55
DR363-183	18.0	100kHz	88.8 (74.0)	0.85	1.41
DR363-223	22.0	100kHz	114.0 (95.0)	0.77	1.23
DR363-273	27.0	100kHz	144.0 (120.0)	0.70	1.08
DR363-333	33.0	100kHz	168.0 (140.0)	0.63	0.99
DR363-393	39.0	100kHz	180.0 (150.0)	0.58	0.95
DR363-473	47.0	100kHz	222.0 (185.0)	0.53	0.84
DR363-563	56.0	100kHz	264.0 (222.0)	0.48	0.76
DR363-683	68.0	100kHz	324.0 (270.0)	0.44	0.69
DR363-823	82.0	100kHz	396.0 (330.0)	0.40	0.61
DR363-104	100.0	100kHz	498.0 (415.0)	0.36	0.54
DR363-154	150.0	100kHz	738.0 (615.0)	0.31	0.42

### MECHANICAL OUTLINES



#### Notes:

1. All dimensions are given in millimeters "mm" (Inches "IN" ref)
2. Unless otherwise specified, tolerance;  $\pm$  0,254mm, (0.010 IN)
3. Tape and reel quantity, 2000 pcs/reel
4. For non-RoHS parts replace DR prefix with 42- (e.g. DR363 becomes 42-363)
5. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020C