

**MINIATURE SHIELDED
SMD POWER INDUCTORS
SERIES SHS707**

FEATURES

- 100% ferrite shielding, zero cross talk
- High current handling capacity
- Available in bulk or tape and reel

ELECTRICAL SPECIFICATIONS

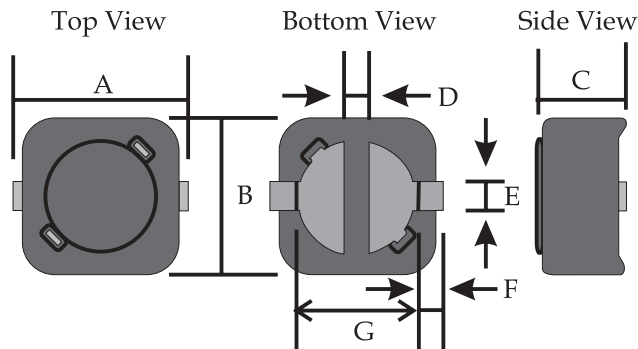
- Inductance range 3.3uH to 330uH
- Test frequency 1 KHz
- Test equipment Quadtech 1750 LCR Meter
- Rated current range 0.20 Amps to 1.95 Amps
- Tolerance $\pm 20\%$
- Rated current Obtained when Lo drops 20% typical

PHYSICAL SPECIFICATIONS

- Operating temperature -40°C to $+125^{\circ}\text{C}$
- Construction Wound ferrite bobbin covered with ferrite sleeve
- Shielding Less than 2% coupling
- Terminal Flat tinned copper wire
- Packaging Bulk 100 pieces per bag
T & R 2500 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier tape
Reel 330 mm paper or plastic reel

DIMENSIONS IN MILLIMETERS

- Side A 6.65 ± 0.3
- Side B 6.30 ± 0.3
- Height C 2.90 ± 0.3
- Space between two metal joints D 1.20 ± 0.3
- Terminal width E 1.50 ± 0.3
- Terminal length F 1.00 ± 0.3
- Space between terminals G 4.00 ± 0.3

**SPECIFICATIONS**

Part Number	L (μH)	Tol % $\pm$	DCR max (Ω)	Rated Current (DC) max (mA)
SHS707-3R3M	3.3	20	0.068	1950
SHS707-4R7M	4.7		0.080	1630
SHS707-5R5M	5.5		0.096	1400
SHS707-100M	10		0.14	1300
SHS707-120M	12		0.20	1100
SHS707-150M	15		0.23	1000
SHS707-180M	18		0.27	900
SHS707-220M	22		0.34	800
SHS707-270M	27		0.38	700
SHS707-330M	33		0.45	600
SHS707-390M	39		0.49	550
SHS707-470M	47		0.69	500
SHS707-560M	56		0.78	460
SHS707-680M	68		1.07	420
SHS707-820M	82		1.21	380
SHS707-101M	100		1.39	350
SHS707-121M	120		1.90	310
SHS707-151M	150		2.18	280
SHS707-181M	180		2.77	260
SHS707-221M	220		3.12	230
SHS707-271M	270		4.38	220
SHS707-331M	330		4.94	200

SUGGESTED LAND PATTERN

A = 1.2 mm
B = 2.0 mm
C = 2.2 mm

