

**SMD SHIELDED POWER INDUCTORS
SERIES SHS705**

FEATURES

- 100% ferrite shielding, zero cross talk
- Very high current handling capacity in a small size
- Available in bulk or tape and reel

ELECTRICAL SPECIFICATIONS

- Inductance range 10uH to 1000uH
- Tolerance ± 20% entire range
- Test frequency 1 KHz
- Test equipment Quadtech LCR Meter 1750 + 1320
DC Bias Digibridge
- Rated current Obtained when Lo drops 20% typical

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +125°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 900 pieces per reel
- Tape & reel spec. Tape 16 mm embossed carrier tape
Reel 330 mm paper or plastic reel

DIMENSIONS IN MILLIMETERS

- Square side A 7.6 ± 0.5
- Height B 4.5 max.
- Terminal length C 1.4 nominal
- Terminal width D 2.0 nominal
- Space between terminals E 4.7 nominal
- Space between two metal joints F 1.5 nominal

SPECIFICATIONS

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (DC) max (mA)
SHS705-100M	10	20	0.05	1840
SHS705-120M	12	20	0.06	1710
SHS705-150M	15	20	0.08	1470
SHS705-180M	18	20	0.09	1310
SHS705-220M	22	20	0.11	1230
SHS705-270M	27	20	0.15	1120
SHS705-330M	33	20	0.17	960
SHS705-390M	39	20	0.23	910
SHS705-470M	47	20	0.26	880
SHS705-560M	56	20	0.35	750
SHS705-680M	68	20	0.38	690
SHS705-820M	82	20	0.43	610
SHS705-101M	100	20	0.61	600
SHS705-121M	120	20	0.66	520
SHS705-151M	150	20	0.88	460
SHS705-181M	180	20	0.98	420
SHS705-221M	220	20	1.17	360
SHS705-271M	270	20	1.64	340
SHS705-331M	330	20	1.86	320
SHS705-391M	390	20	2.85	290
SHS705-471M	470	20	3.01	260
SHS705-561M	560	20	3.62	230
SHS705-681M	680	20	4.63	220
SHS705-821M	820	20	5.20	200
SHS705-102M	1000	20	6.00	180

SUGGESTED LAND PATTERN

