

**SURFACE MOUNT SHIELDED
POWER INDUCTORS
SERIES SDS125**

FEATURES

- Compact size
- Excellent for high density applications
- 100% ferrite shielding
- Available in bulk or tape and reel

ELECTRICAL SPECIFICATIONS

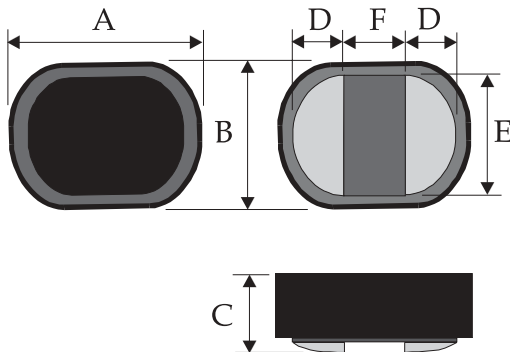
- Inductance range 10uH to 1000uH
- Test frequency 1 KHz
- Test equipment Quadtech 1750 LCR Meter
- Rated current Determined when coil temperature rises up to 40°C
- Tolerance ± 10%

PHYSICAL SPECIFICATIONS

- Operating temp. -40°C to +125°C
- Construction Wound ferrite bobbin covered with ferrite sleeve
- Shielding Less than 2% coupling
- Terminal Ag+Sn/Pb electroplated to core
- Packaging Bulk 100 pieces per bag
 T & R 700 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier tape
 Reel 330 mm paper or plastic reel

DIMENSIONS IN MILLIMETERS

- Length A 12.6 ± 0.5
- Width B 11.6 ± 0.5
- Height C 5.4 ± 0.6
- Terminal width D 3.5 nominal
- Terminal length E 9.0 nominal
- Space between terminals F 3.0 nominal

**SPECIFICATIONS**

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (DC) max (mA)
SDS125-100K	10	10	0.05	2700
SDS125-150K	15	10	0.06	2500
SDS125-220K	22	10	0.07	2200
SDS125-270K	27	10	0.08	2100
SDS125-330K	33	10	0.09	1800
SDS125-470K	47	10	0.10	1550
SDS125-680K	68	10	0.14	1300
SDS125-750K	75	10	0.15	1250
SDS125-820K	82	10	0.17	1150
SDS125-101K	100	10	0.20	1100
SDS125-151K	150	10	0.27	900
SDS125-221K	220	10	0.35	800
SDS125-271K	270	10	0.45	700
SDS125-331K	330	10	0.60	600
SDS125-471K	470	10	0.75	500
SDS125-561K	560	10	0.93	450
SDS125-681K	680	10	1.05	400
SDS125-751K	750	10	1.20	380
SDS125-821K	820	10	1.32	360
SDS125-102K	1000	10	1.70	250

SUGGESTED LAND PATTERN

- A = 2.5 mm
- B = 9.5 mm
- C = 5.0 mm

