

**SMD HIGH CURRENT  
SERIES SH-5022**

**FEATURES**

- High performance inductor
- Very low resistance with high current rating
- Excellent as DC-DC Converter used in notebook computers, PDA, and step down converters
- Low price

**ELECTRICAL SPECIFICATIONS**

- Inductance range      0.78uH to 15uH
- Tolerance                ± 20%
- Test frequency        100KHz @ 0.1V test level
- Test equipment        QuadTech 1750 LCR Meter
- Rated current         Obtained when Lo drops 10% typical
- Saturation current    Obtained when temperature rises up to 40°C

**SPECIFICATIONS**

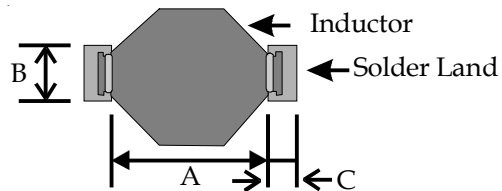
Part Number	L (μH)	SRF (MHz) typ.	DCR max (Ω)	Rated Current (A)	Saturation Current (A)
SH-5022-R78M	0.78	156	0.0026	15	30
SH-5022-1R5M	1.5	100	0.0040	15	25
SH-5022-2R2M	2.2	75	0.0060	12	20
SH-5022-3R3M	3.3	60	0.0080	10	17
SH-5022-3R9M	3.9	55	0.0100	9.0	15
SH-5022-4R7M	4.7	40	0.0140	8.4	13
SH-5022-6R0M	6.0	35	0.0170	7.5	12
SH-5022-7R8M	7.8	35	0.0180	7.5	11
SH-5022-100M	10	28	0.0260	6.0	10
SH-5022-150M	15	20	0.0320	4.4	8

**PHYSICAL SPECIFICATIONS**

- Operating temp.      -40 °C to +85 °C
- Material                Ferrite
- Terminal                Self terminal
- Packaging                T&R    250 pieces per reel
- Tape & reel spec.    Tape    32 mm embossed carrier
- Reel    330 mm plastic reel

**SUGGESTED LAND PATTERN**

- A = 14.35 mm
- B = 8.64 mm
- C = 3.18 mm



**DIMENSIONS IN MILLIMETERS**

- Length A                14.90 nominal
- Width B                22.35 nominal
- Height C                8.00 nominal

