



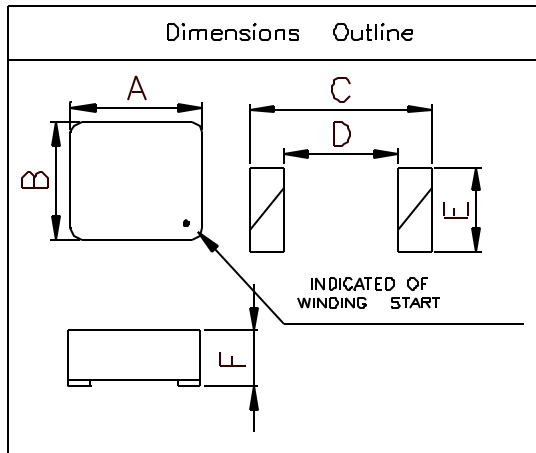
Easy Magnet Corporation SC Series SMD High Current Inductor

Features

- Ideally for DC to DC converter
- Output Choke Application
- Low leakage flux
- Low profile
- Operating temperature: -40^o to 150^o C
- Suitable for IR reflow and wave solder process.



Dimension (in mm, ±0.3mm)						
PART NUMBER	A	B	C	D	E	F
SC5015	12.6	12.6	12.6	7.8	5.7	3.9
SC5018	12.6	12.6	12.6	7.8	5.7	4.5
SC2912	7.2	6.6	7.2	4.6	4.9	3.2



ELECTRICAL SPECIFICATION						
Part Number	L μ H ±20%	DCR max. m Ω	I _{rate} Amps	L @ I _{rate}	I _{dc max.} Amps	L @ I _{max}
SC5015-R67M	0.67	1.45	22	0.58	30	0.54
SC5015-1R2M	1.20	2.90	16	1.05	22	0.98
SC5018-1R2M	1.20	1.96	20	1.00	27	0.92
SC5018-1R8M	1.80	3.50	13	1.55	20	1.42
SC5018-2R7M	2.70	4.30	12	2.30	18	2.15
SC2912-R11M	0.11	1.65	13	0.10	20	0.09
SC2912-R25M	0.25	2.10	11	0.22	16	0.20
SC2912-R47M	0.47	TBA	6	TBA	9	TBA
SC2912-R80M	0.80	TBA	5	TBA	6	TBA

Notes:

1. Test condition: 100KHz, 0.25V, 25^oC
2. I_{rate} DC current rating at 50^o C temperature raise (typical)
3. I_{max}: DC Current rating at 100^o C temperature raise (typical)
4. Tape & Reel QTYS: SC5015 & SC5018 = 800 pcs per reel, SC2912 = 1500 pcs per reel