

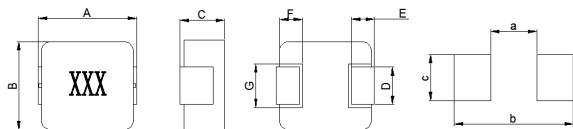
- 1.Initial Inductance (L0) Test Parameters:100KHz,1V,I_{dc}=0.0A,+25℃
- 2.All test data is referenced to 25℃ ambient;
- 3.Rated current: Isat or Irms, whichever is smaller;
- 4.Isat(A): DC current at which the inductance drops approximate 30% from its value without current.
- 5.Irms(A): DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25℃ ambient.
- 6.Absolute maximum voltage: 60V DC
- 7.Operating temperature range: -40℃ ~ +125℃ (Including self-heating).
- 8.Storage temperature range: -40℃ ~ +125℃



Electrical Specifications@25℃

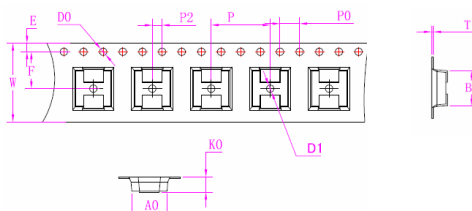
Part Number	L0(uH)	DCR(mΩ) @25℃		Isat(Amp) Typ.	Irms(Amp) Typ.
		Max.	Typ.		
MHT0630SG-R10-N H	0.10±30%	1.2	0.9	56	32
MHT0630SG-R15-N H	0.15±30%	2.5	1.5	38	25
MHT0630SG-R22-M H	0.22±20%	3.0	2.5	34	23
MHT0630SG-R33-M H	0.33±20%	4.5	3.0	24	20
MHT0630SG-R47-M H	0.47±20%	5.0	4.0	20	18
MHT0630SG-R56-M H	0.56±20%	5.5	4.5	18	16.5
MHT0630SG-R68-M H	0.68±20%	5.5	4.8	17.0	14.0
MHT0630SG-R82-M H	0.82±20%	7.0	6.5	16.0	13.0
MHT0630SG-1R0-M H	1.0±20%	10.0	8.2	15.0	12.0
MHT0630SG-1R2-M H	1.2±20%	15.0	11.2	14.0	10.0
MHT0630SG-1R5-M H	1.5±20%	15.0	11.2	14.0	9.0
MHT0630SG-2R2-M H	2.2±20%	20.0	15.2	10.0	8.0
MHT0630SG-3R3-M H	3.3±20%	29.0	20.0	9.5	6.5
MHT0630SG-4R7-M H	4.7±20%	39.7	30.5	6.5	5.5
MHT0630SG-5R6-M H	5.6±20%	44.5	36.5	6.0	5.5
MHT0630SG-6R8-M H	6.8±20%	63.6	53.0	6.0	5.0
MHT0630SG-8R2-M H	8.2±20%	63.6	53.0	5.5	4.5
MHT0630SG-100-M H	10±20%	75.0	62.0	5.0	4.0
MHT0630SG-150-M H	15±20%	125	101	4.0	3.5
MHT0630SG-220-M H	22±20%	200	150	3.2	2.3
MHT0630SG-330-M H	33±20%	310	250	3.0	2.0
MHT0630SG-470-M H	47±20%	310	260	2.0	1.7

MECHANICAL



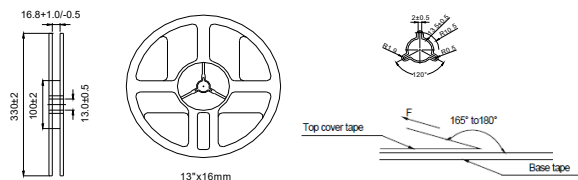
A	B	C	D	E	F	G	a	b	c
7.10	6.60	3.00	3.00	1.60	2.00	3.60	3.70	8.40	3.50
±0.30	±0.20	Max	±0.35	±0.35	Typ.	Typ.	Typ.	Typ.	Typ.

TAPING AND PACKING



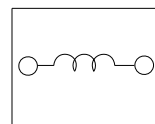
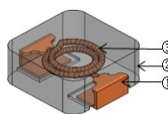
Item	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	16.0	6.9	7.6	3.2	12.0	7.5	1.75	1.5	1.50	4.0	2.0	0.35
Tol	±0.3	Typ.	Typ.	Typ.	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	Typ.

Reel



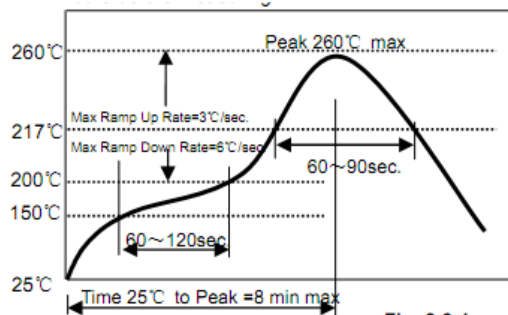
Dimensions in mm

MATERIAL LIST



NO.	Part Name	Material
1	Electrode	Cu+Sn plating C1100
2	Core	Metal composite core
3	Coil	Copper wire

RESISTANCE TO SOLDERING HEAT



Quantity (pcs):
1500 PCS PER REEL
3 REELS PER CARTON
4500PCS PER CARTON

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