

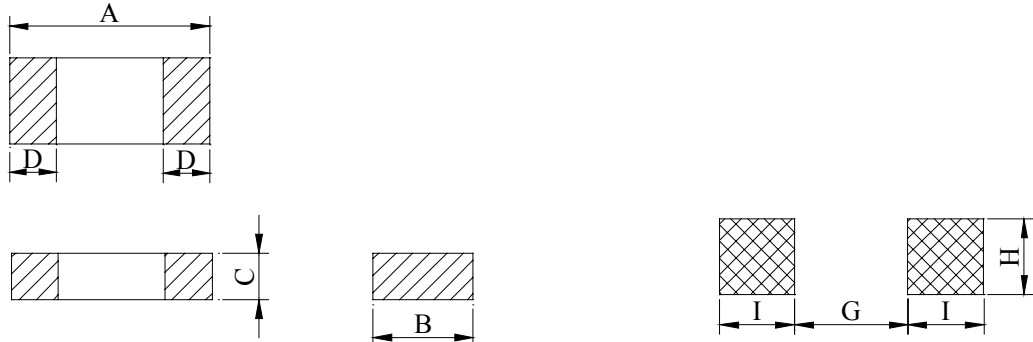
SPECIFICATION FOR APPROVAL

REF :

PAGE: 1

PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1005□□□□5□
		ABC'S ITEM NO.	

. CONFIGURATION & DIMENSIONS :



PCB Pattern

Unit : m/m

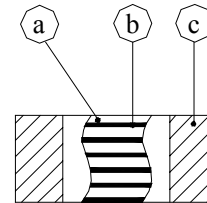
Series	A	B	C	D	G	H	I
MS1005	1.00±0.15	0.50±0.15	0.50±0.15	0.25±0.10	0.4	0.4	0.5

. SCHEMATIC DIAGRAM :



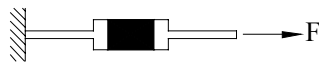
. MATERIALS :

- a . Body : Ferrite
- b . Internal conductor : Silver or Ag / Pd
- c . Terminal electrode : Ag/Ni/Sn (Lead content 100ppm max.)
- d . Remark : Lead content 1000ppm max. include ferrite



. GENERAL SPECIFICATION :

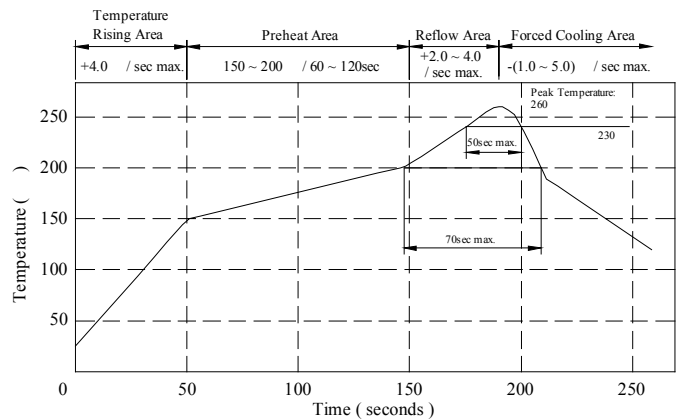
- a . Storage temp. : -40 ---- +105
- b . Operating temp. : -25 ---- +85
- c . Terminal Strength :



Type	F (kgf)	time (sec)
MS1005	0.3	30±5

- d . Solderability : Preheat : 150±25°C for 60 seconds
 Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent
 Solder temp. : 260±5
 Flux : Rosin
 Dip time : 4±1 seconds

Peak Temp : 260 max.
 Max time above 230 : 50sec max.
 Max time above 200 : 70sec max.



AE-001A

SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1005□□□□5□
		ABC'S ITEM NO.	

. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (uH)	Q min	Test Freq. (MHz)	SRF (MHz) min	RDC (Ω) max.	IDC (mA) max.
MS100547NM5□	0.047±20%	10	50	220	0.45	25
MS100568NM5□	0.068±20%	10	50	210	0.45	25
MS100582NM5□	0.082±20%	10	50	200	0.45	25
MS1005R10M5□	0.100±20%	15	25	200	0.80	25
MS1005R12M5□	0.120±20%	15	25	165	0.80	25
MS1005R15M5□	0.150±20%	15	25	140	0.90	25
MS1005R18M5□	0.180±20%	15	25	120	0.90	25
MS1005R22M5□	0.220±20%	15	25	110	1.20	25
MS1005R27M5□	0.270±20%	15	25	95	1.20	25
MS1005R33M5□	0.330±20%	15	25	85	1.25	18
MS1005R39M5□	0.390±20%	15	25	70	1.50	18
MS1005R47M5□	0.470±20%	15	25	68	2.00	18
MS1005R56M5□	0.560±20%	20	10	75	0.80	15
MS1005R68M5□	0.680±20%	20	10	70	0.90	15
MS1005R82M5□	0.820±20%	20	10	65	0.90	15
MS10051R0M5□	1.000±20%	20	10	40	0.90	15
MS10051R2M5□	1.200±20%	20	10	35	1.20	15
MS10051R5M5□	1.500±20%	20	10	30	1.20	15
MS10051R8M5□	1.800±20%	20	10	30	1.45	15
MS10052R2M5□	2.200±20%	20	10	28	1.70	10
MS10052R7M5□	2.700±20%	20	10	22	2.00	10
MS10053R3M5□	3.300±20%	20	10	20	2.35	10
MS10053R9M5□	3.900±20%	20	10	18	2.55	10
MS10054R7M5□	4.700±20%	20	10	15	3.15	10
MS10055R6M5□	5.600±20%	20	4	13	2.35	3
MS10056R8M5□	6.800±20%	20	4	11	2.55	3
MS10058R2M5□	8.200±20%	20	4	10	3.15	3
MS1005100M5□	10.000±20%	20	2	9	3.45	2

1). □ : Packaging Information... [A]: Bulk [B]: Taping Reel

AE-001A



SPECIFICATION FOR APPROVAL

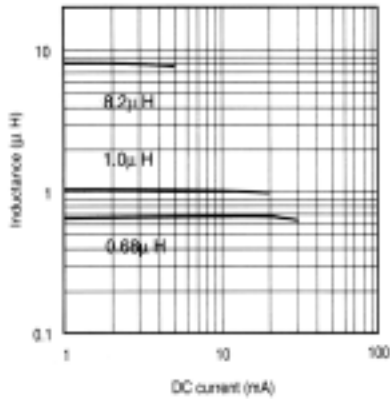
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PAGE: 3

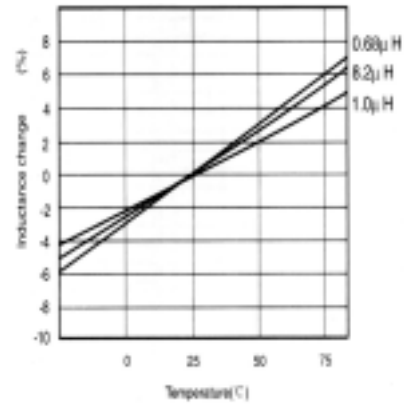
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		ABC'S ITEM NO.	

CURVE :

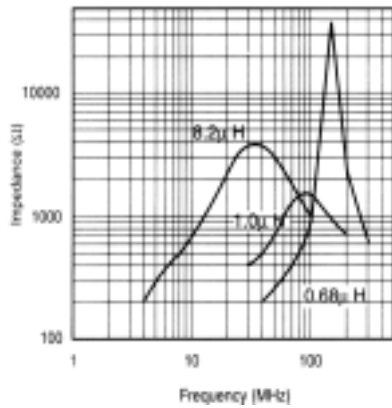
Inductance vs. DC Current Characteristics



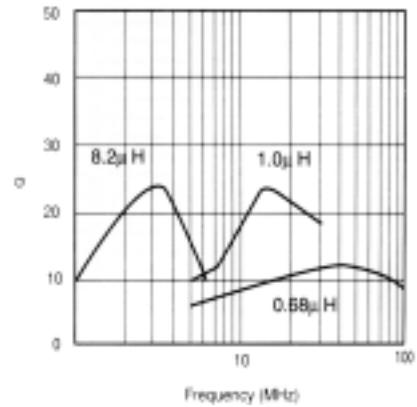
Inductance vs. Temperature Characteristics



Impedance vs. Frequency Characteristics



Q vs. Frequency Characteristics



AE-001A

SPECIFICATION FOR APPROVAL

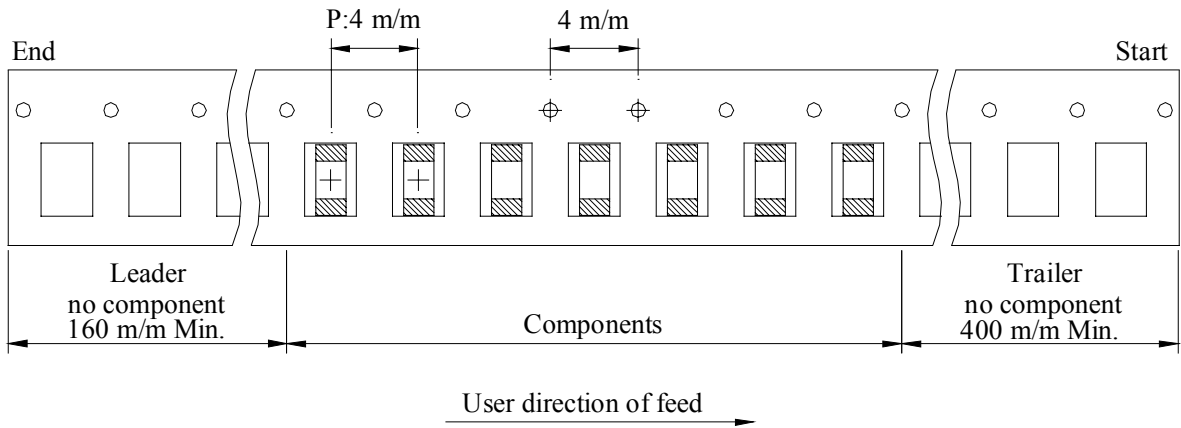
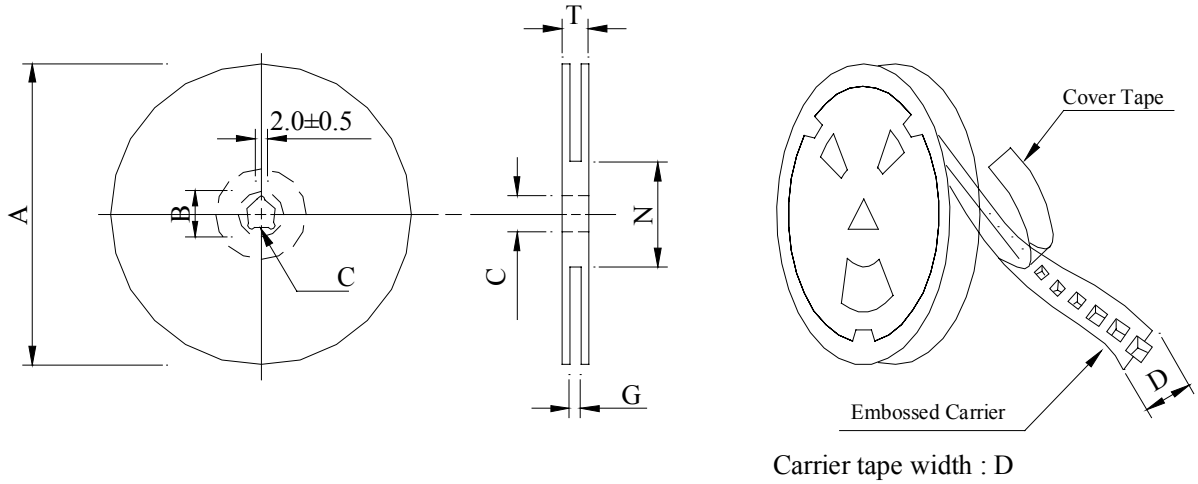
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PAGE: 4

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PACKAGING INFORMATION

(1) Confihuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 08	178	21±0.8	13	8	10 ⁺⁰	50 ⁻⁰	12.5

(3) Q'TY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY(pcs)	G.W. (Kg)	Size (cm)
MS1005	10,000	60	07 - 08	500,000	5.5	41 x 39 x 22

AE-001A

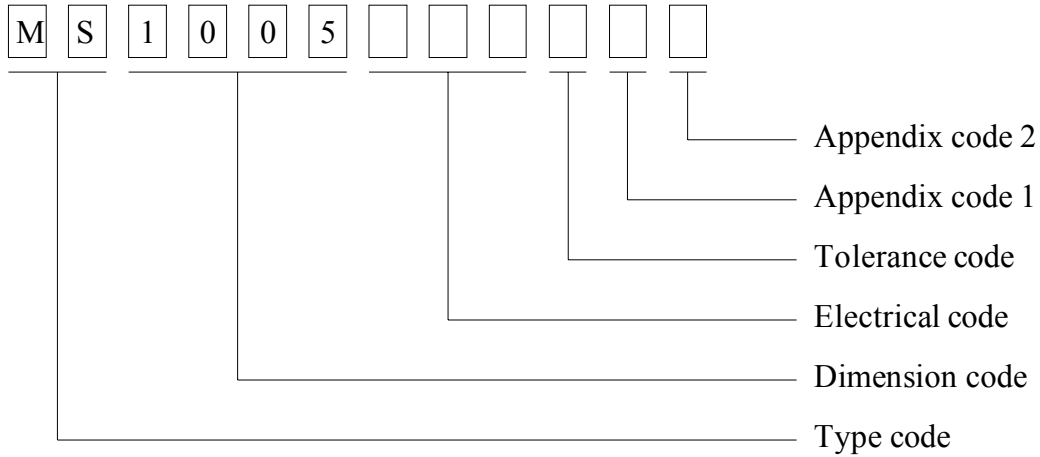
SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

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. DWG EXPRESSION :



Appendix code 1 : S : Standard products

A K , M R , T Z : Special products

L : Standard Lead Free products

1 ~ 9 : Special Lead Free products

Appendix code 2 :

Code	Inner package	Inner package Q'TY	Remark
A	Empty	Empty	
B	T / R (Reel package)	10000 pcs	

AE-001A

