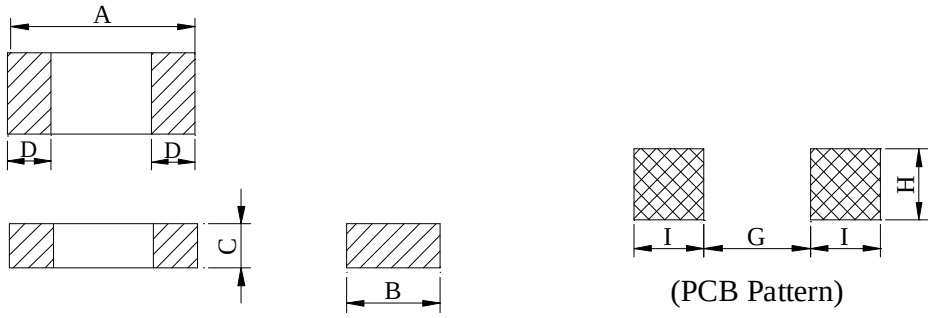
SPECIFICATION FOR APPROVAL

REF : PAGE: 1

PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1608□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ．CONFIGURATION & DIMENSIONS：

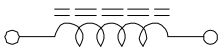


(PCB Pattern)

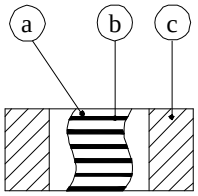
Unit : m/m

Series	A	B	C	D	G	H	I
MS1608	1.60±0.20	0.80±0.20	0.80±0.20	0.30±0.20	0.7	0.7	0.7

Ⅱ．SCHEMATIC DIAGRAM：



Ⅲ．MATERIALS：



a．Body：Ferrite

b．Internal conductor：Silver or Ag / Pd

c．Terminal：Cu/Sn

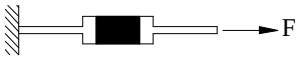
d．Remark：Products comply with RoHS' requirements

Ⅳ．GENERAL SPECIFICATION：

a．Storage temp.：-40℃ ---- +105℃

b．Operating temp.：-25℃ ---- +85℃

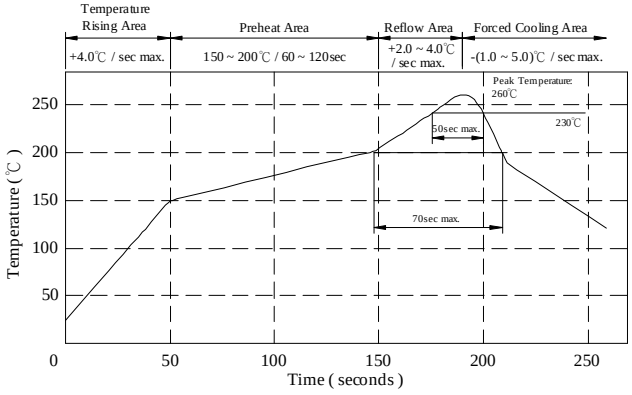
c．Terminal strngth：



Type	F (kgf)	time (sec)
MS1608	0.5	30±5

d．Solderability：Preheat : 150±25℃ 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.



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PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1608□□□□L□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Q min	Test Freq. (MHz)	SRF (MHz) min	RDC (Ω) max	IDC (mA) max
MS160847NML□-□□□	0.047±20%	10	50	260	0.30	50
MS160868NML□-□□□	0.068±20%	10	50	250	0.30	50
MS160882NML□-□□□	0.082±20%	10	50	245	0.30	50
MS1608R10ML□-□□□	0.100±20%	15	25	240	0.50	50
MS1608R12ML□-□□□	0.120±20%	15	25	205	0.50	50
MS1608R15ML□-□□□	0.150±20%	15	25	180	0.60	50
MS1608R18ML□-□□□	0.180±20%	15	25	165	0.60	50
MS1608R22ML□-□□□	0.220±20%	15	25	150	0.80	50
MS1608R27ML□-□□□	0.270±20%	15	25	136	0.80	50
MS1608R33ML□-□□□	0.330±20%	15	25	125	0.85	35
MS1608R39ML□-□□□	0.390±20%	15	25	110	1.00	35
MS1608R47ML□-□□□	0.470±20%	15	25	105	1.35	35
MS1608R56ML□-□□□	0.560±20%	15	25	95	1.55	35
MS1608R68ML□-□□□	0.680±20%	15	25	90	1.70	35
MS1608R82ML□-□□□	0.820±20%	15	25	85	2.10	35
MS16081R0ML□-□□□	1.000±20%	35	10	75	0.60	25
MS16081R2ML□-□□□	1.200±20%	35	10	65	0.80	25
MS16081R5ML□-□□□	1.500±20%	35	10	60	0.80	25
MS16081R8ML□-□□□	1.800±20%	35	10	55	0.95	25
MS16082R2ML□-□□□	2.200±20%	35	10	50	1.15	15
MS16082R7ML□-□□□	2.700±20%	35	10	45	1.35	15
MS16083R3ML□-□□□	3.300±20%	35	10	40	1.55	15
MS16083R9ML□-□□□	3.900±20%	35	10	35	1.70	15
MS16084R7ML□-□□□	4.700±20%	35	10	33	2.10	15
MS16085R6ML□-□□□	5.600±20%	35	4	22	1.55	5
MS16086R8ML□-□□□	6.800±20%	35	4	20	1.70	5
MS16088R2ML□-□□□	8.200±20%	35	4	18	2.10	5
MS1608100ML□-□□□	10.000±20%	30	2	17	1.85	3

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

2)."-□□□ ":Reference code

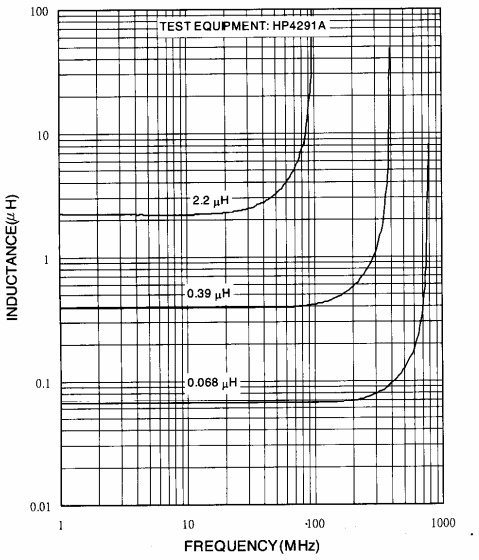
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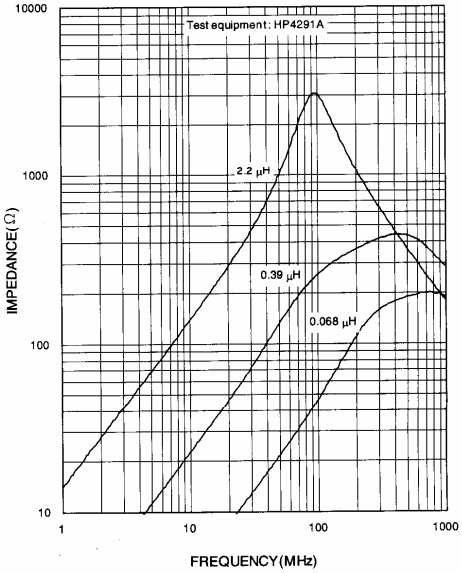
PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1608□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅵ．CURVE：

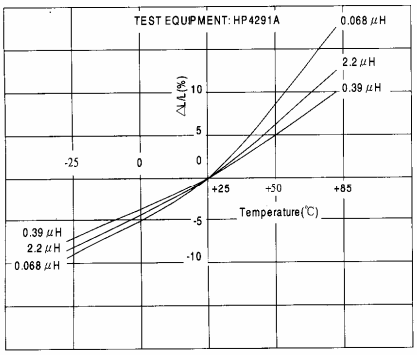
INDUCTANCE vs. FREQUENCY CHARACTERISTICS



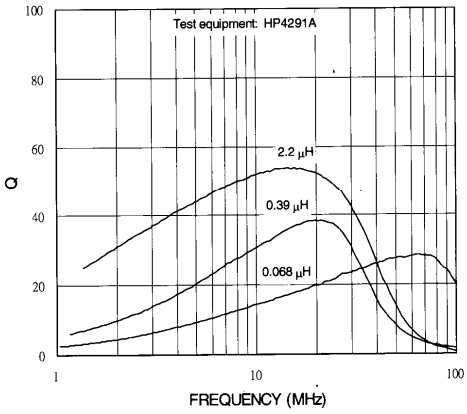
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. TEMPERATURE CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



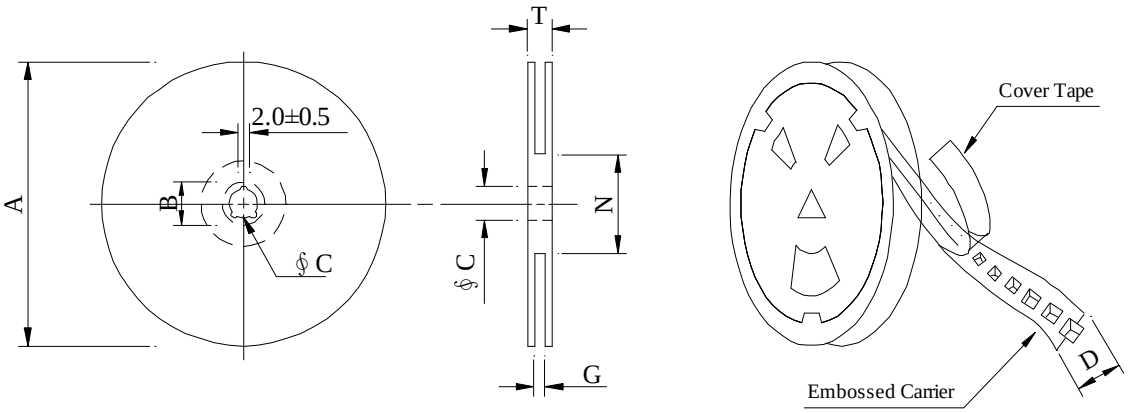
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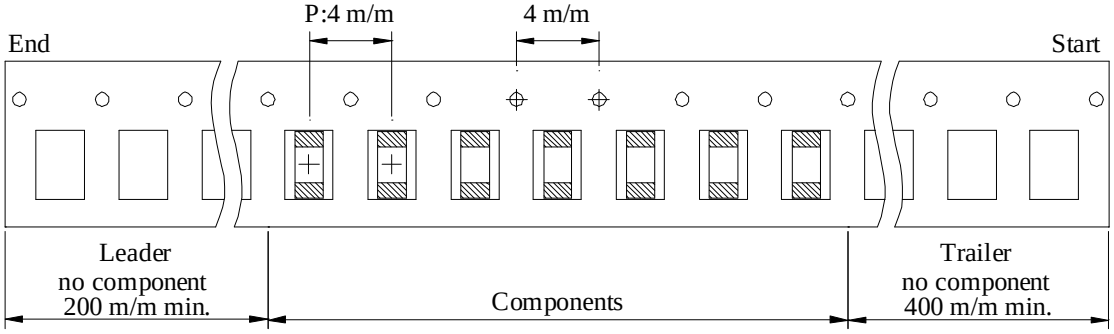
PROD. NAME	MULTILAYER CHIP INDUCTOR	ABC'S DWG NO.	MS1608□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



User direction of feed

(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)
MS1608	4,000	90	07 - 08	200,000	7.0	41 x 39 x 22

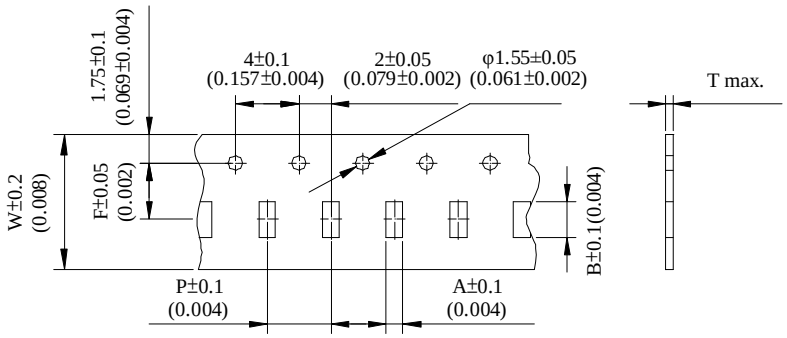
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(4) TYPE DIMENSIONS

Fig 1.



Unit:m/m

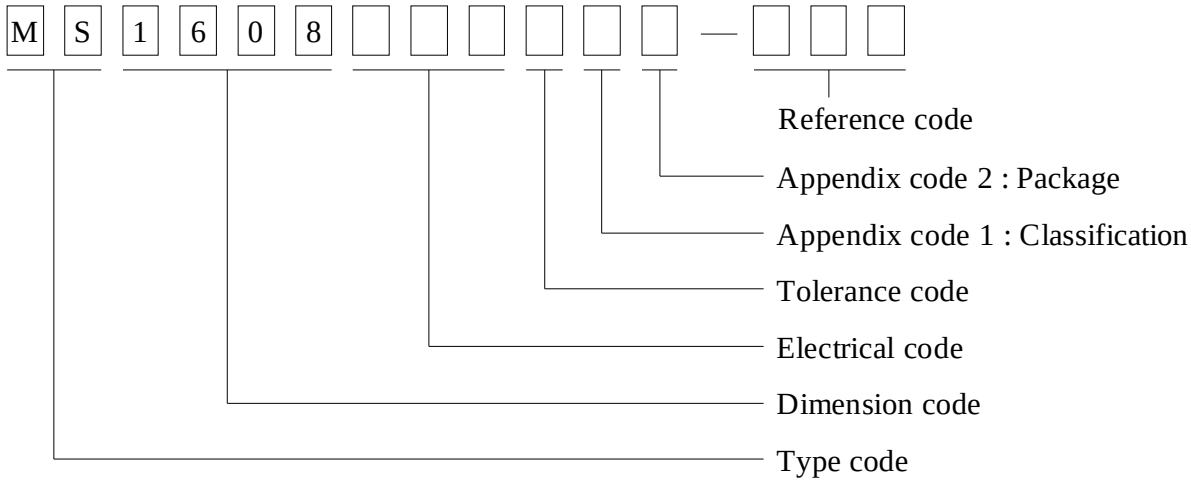
Type	A	B	F	P	T	W	Fig
MS1608	1.05	1.85	3.50	4.0	1.10	8.0	1

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Ⅷ．DWGING NUMBER EXPRESSION：



Appendix code 1：Product Classification

L：Lead Free Standard products comply with RoHS' requirements

1 ~ 9：Lead Free Special products comply with RoHS' requirements

Appendix code 2：Package Information

Code	Inner package	Inner package QTY	Remark
A	T.B.D	T.B.D	
B	T / R (Reel package)	4000 pcs	

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