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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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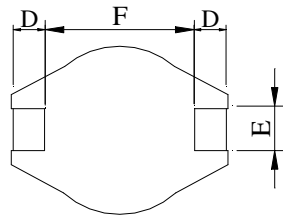
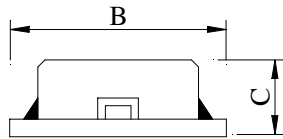
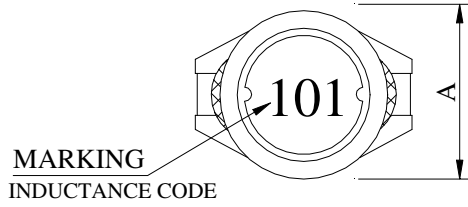
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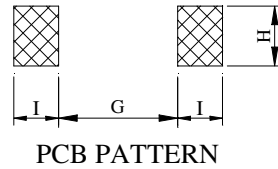
PRODUCT SPECIFICATION

Product Name	3316 SMD POWER INDUCTORS - SHIELDED TYPE	Page	1
TAMURA Part No.	TS3316-XXX	Rev. No.	0

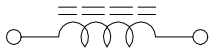
1. CONFIGURATION & DIMENSIONS :



A	: 10.0±0.2	m/m
B	: 12.7±0.2	m/m
C	: 4.9±0.3	m/m
D	: 2.4±0.2	m/m
E	: 2.2±0.2	m/m
F	: 7.6±0.3	m/m
G	: 7.3 REF.	m/m
H	: 2.8 REF.	m/m
I	: 3.0 REF.	m/m



2. SCHEMATIC DIAGRAM :



3. GENERAL SPECIFICATION :

- a) TEMP. RISE : 40°C MAX.
- b) RATED CURRENT : BASE ON TEMP. RISE & $\Delta L / LOA=10\%$ MAX.
- c) STORAGE TEMP. : -40°C ----+105°C
- d) OPERATING TEMP. : -25°C----+85°C
- e) RESISTANCE TO SOLDER HEAT : 260°C FOR 10 SECS.

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4. ELECTRICAL CHARACTERISTICS :

TAMURA Part No.	INDUCTANCE (μ H)	Q REF.	TEST FREQ. (HZ)		SRF (MHz) TYP.	RDC (mOhm) MAX	IDC (A)
			L	Q			
TS3316-1R0M	1.0 \pm 20%	50	100K		130.0	21	5.00
TS3316-1R5M	1.5 \pm 20%	60	100K		110.0	22	4.50
TS3316-2R2M	2.2 \pm 20%	70	100K		90.0	27	3.80
TS3316-3R3M	3.3 \pm 20%	70	100K		70.0	39	3.30
TS3316-4R7M	4.7 \pm 20%	70	100K		50.0	40	2.70
TS3316-6R8M	6.8 \pm 20%	70	100K		30.0	55	2.20
TS3316-100M	10.0 \pm 20%	60	100K		28.0	65	1.50
TS3316-150M	15.0 \pm 20%	60	100K		20.0	85	1.50
TS3316-220M	22.0 \pm 20%	50	100K		19.0	207	1.30
TS3316-330M	33.0 \pm 20%	70	100K		15.0	334	1.10
TS3316-470M	47.0 \pm 20%	70	100K		13.0	472	0.80

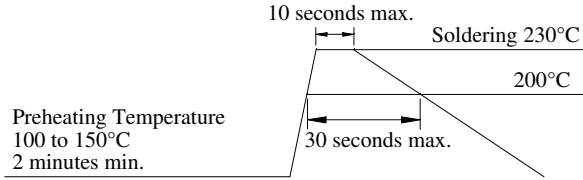


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PRODUCT SPECIFICATION

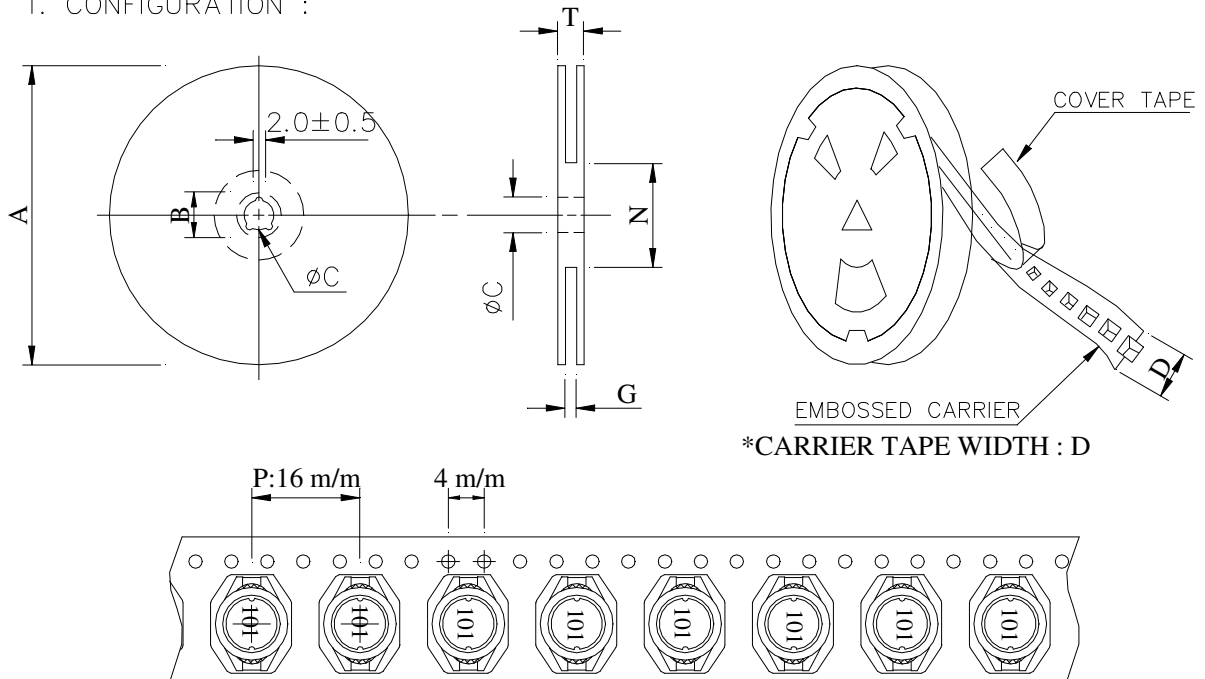
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



5. PACKAGING INFORMATION :

1. CONFIGURATION :



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13	24	26 MAX	50 MIN	30.4

(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)
TS3316	500	1000	13 - 24	1000	2	40 x 40 x 24

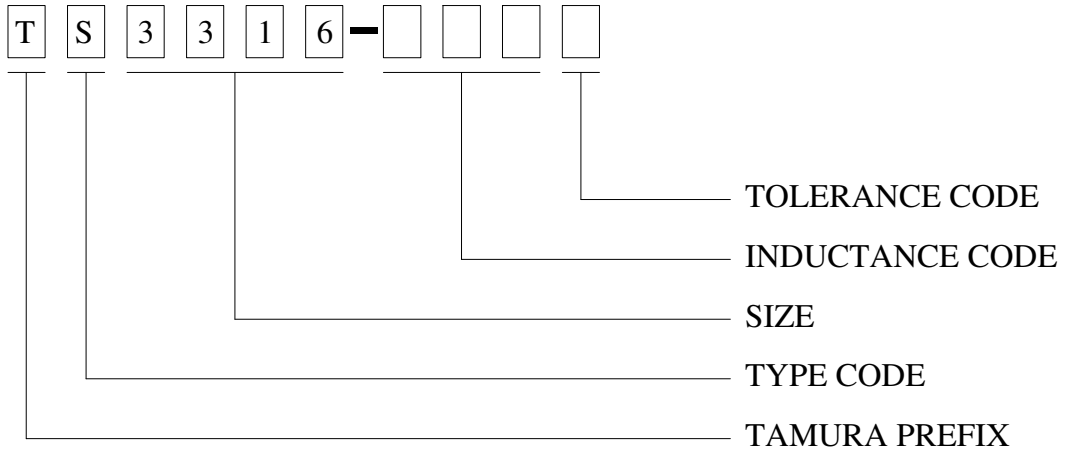


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6. Part No. FORMAT :



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PRODUCT SPECIFICATION

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7. RELIABILITY TEST :

TEST ITEM	SPECIFICATION	TEST CONDITION
SOLDERABILITY	MORE THAN 90% OF THE TERMINAL ELECTRODE SHALL BE COVERED WITH FRESH SOLDER.	PREHEAT : 125±25°C FOR 60 SECONDS SOLDER : H63A (EUTECTIC SOLDER) SOLDER TEMP. : 230±5°C FLUX : ROSIN DIP TIME : 4±1 SECONDS
THERMAL SHOCK TEST (TEMP. CYCLE)	INDUCTANCE SHALL NOT CHANGE MORE THAN ±20%	ROOM TEMP. —————→ $-25\pm 2^{\circ}\text{C}$ 15 MINUTES 30 MINUTES
		ROOM TEMP. —————→ $85\pm 2^{\circ}\text{C}$ 15 MINUTES 30 MINUTES
		TOTAL : 50 CYCLES
HUMIDITY RESISTANCE TEST		TEMPERATURE : 40±2°C HUMIDITY : 90 ~ 95% APPLIED CURRENT : PER SPEC. TIME : 500 HOURS
HIGH TEMP. RESISTANCE TEST		TEMPERATURE : 85±2°C APPLIED CURRENT : PER SPEC. TIME : 500 HOURS



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