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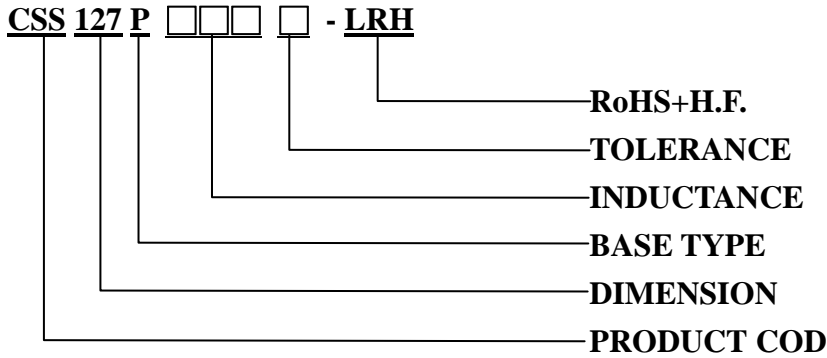
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SPECIFICATION FOR APPROVAL

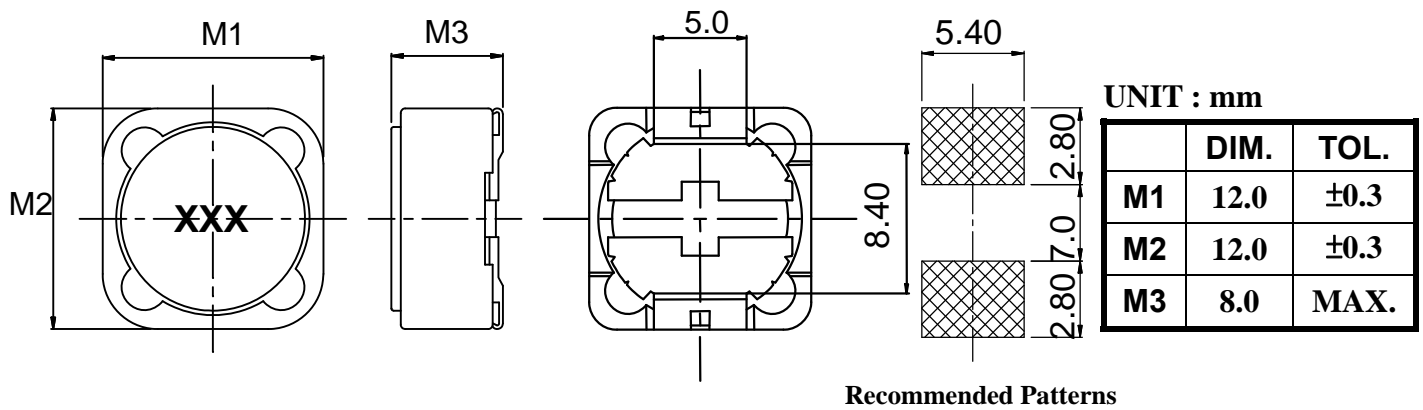
CUSTOMER	CUSTOMER P/N	REV. -	SPL. LOT NO.	
PART NAME POWER CHOKE (ROHS+H.F.)	PART NO. CSS127P-XXXX-LRH	REV. -	DATE OF ISSUE	Q'TY 0 PCS

※This is a RoHS and REACH compliant product whose related documents are available on request.
 ※Graphic is only for dimensionally application.

1. PART NUMBERING : PRODUCT IDENTIFICATION



2. MECHANICAL DIMENSION



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3. ELECTRICAL

PART NO.	MARKING	L (uH)	TEST FREQ. (KHz)	DCR MAX. (OHM)	RATED CURRENT (A)
CSS127P-1R2N-LRH	1R2	1.2 +40%-20%	100	0.0070	9.80
CSS127P-2R4N-LRH	2R4	2.4 +40%-20%	100	0.0115	8.00
CSS127P-3R5N-LRH	3R5	3.5 +40%-20%	100	0.0135	7.50
CSS127P-4R7N-LRH	4R7	4.7 +40%-20%	100	0.0158	6.80
CSS127P-6R1N-LRH	6R1	6.1 +40%-20%	100	0.0176	6.60
CSS127P-7R6N-LRH	7R6	7.6 +40%-20%	100	0.0200	5.90
CSS127P-100M-LRH	100	10 ±20%	1	0.0216	5.40
CSS127P-120M-LRH	120	12 ±20%	1	0.0243	4.90
CSS127P-150M-LRH	150	15 ±20%	1	0.0270	4.50
CSS127P-180M-LRH	180	18 ±20%	1	0.0392	3.90
CSS127P-220M-LRH	220	22 ±20%	1	0.0432	3.60
CSS127P-270M-LRH	270	27 ±20%	1	0.0459	3.40
CSS127P-330M-LRH	330	33 ±20%	1	0.0648	3.00
CSS127P-390M-LRH	390	39 ±20%	1	0.0729	2.75
CSS127P-470M-LRH	470	47 ±20%	1	0.1000	2.50
CSS127P-560M-LRH	560	56 ±20%	1	0.11	2.35
CSS127P-680M-LRH	680	68 ±20%	1	0.14	2.10
CSS127P-820M-LRH	820	82 ±20%	1	0.16	1.95
CSS127P-101M-LRH	101	100 ±20%	1	0.22	1.70
CSS127P-121M-LRH	121	120 ±20%	1	0.25	1.60
CSS127P-151M-LRH	151	150 ±20%	1	0.28	1.42
CSS127P-181M-LRH	181	180 ±20%	1	0.35	1.30
CSS127P-221M-LRH	221	220 ±20%	1	0.39	1.16
CSS127P-271M-LRH	271	270 ±20%	1	0.56	1.06
CSS127P-331M-LRH	331	330 ±20%	1	0.64	0.95
CSS127P-391M-LRH	391	390 ±20%	1	0.70	0.88
CSS127P-471M-LRH	471	470 ±20%	1	0.98	0.79
CSS127P-561M-LRH	561	560 ±20%	1	1.07	0.73
CSS127P-681M-LRH	681	680 ±20%	1	1.46	0.67
CSS127P-821M-LRH	821	820 ±20%	1	1.64	0.60
CSS127P-102M-LRH	102	1000 ±20%	1	1.82	0.55

- a. Tolerance : M±20%, N±30%
- b. Operating Temp : -25°C to +105°C.
- c. Inductance measured using the HP4284A LCR meter, CHROMA 3302/1320/16502.
- d. DCR measured using the 502BC milli-ohm meter.
- e. Inductance drops no more than 25 % of initial value at rated current, temperature rises $\Delta t < 40^\circ\text{C}$.
- f. MSL : LEVEL 1

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4. MATERIAL LIST

ITEM	PART	DESCRIPTION	SGS NO.	UL NO.
a	WIRE	SOLDERABLE ENAMELED COPPER WIRE OR EQUIV.	CE/2013/A0840	E174837
b	CORE	FERRITE OR EQUIV.		
c	INSULATION TAPE	PHENOLIC OR EQUIV		E50292 E17385
d	ADHESIVE	EPOXY RESIN OR EQUIV.		
e	TERMINAL			
f	SOLDER	Pb FREE OR EQUIV.		

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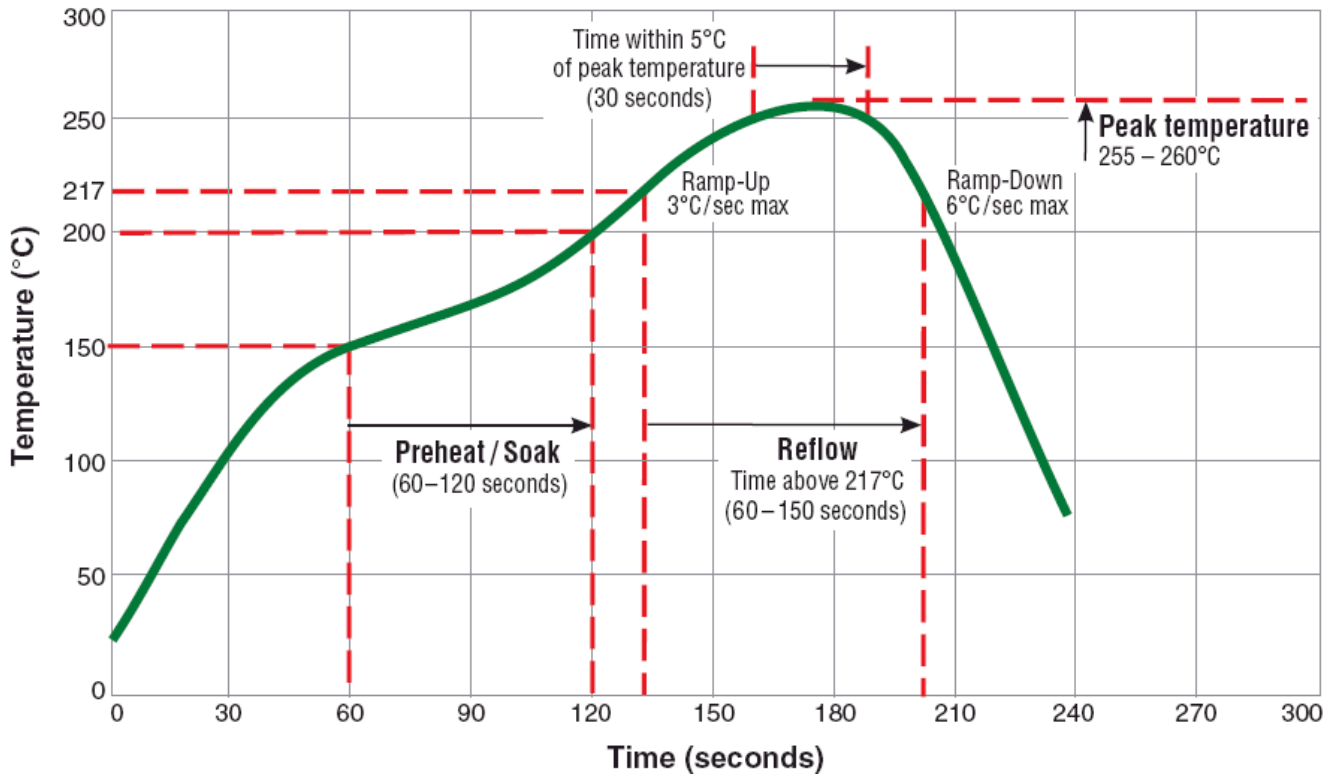
5. RELIABILITY PERFORMANCE

Test Item	Test Condition	Standard Source
Humidity Test	+40°C ± 2°C, humidity of 90% ± 5% (total 96 hours).	MIL-STD-202G Method 103B Test Condition B
High Temperature Storage	1. Temperature: 125, 100, 85, 70, 55, 40, 30°C. 2. Test time: 2, 16, 72, 96 hours.	IEC 68-2 Test Condition B
Low Temperature Storage	1 Temperature: -40, -25, -10. 2. Test time: 2, 16, 72, 96 hours.	IEC 68-2 Test Condition A
Thermal Shock	+125°C ± 5°C (30 minutes) ~ -40 ± 5°C (30 minutes), temperature switch time: 5 minutes (total 50 cycles).	MIL-STD-202G Method 107G Test Condition B-2
Life Test	+100°C ± 2°C (1000Hour)	MIL-STD-202G Method 108A Test Condition D
Vibration Test	10-55-10HZ, amplitude: 1.5mm, direction: X, Y, Z axes, each axis 2 hours (total 6 hours).	MIL-STD-202G Method 201A
Solder Heat Resistance Test	DIP: Soak in 260°C solder pot, stay 10Sec Reflow: Keep 250 ± 5°C, 30 ± 5Sec in air, Temperature ramp: +1~4°C/sec; Above 183°C, must keep 90 s - 120 s.	MIL-STD-202G Method 210F Test Condition B(DIP) Test Condition (Reflow)
Terminal Pull Strength Test	1/2, 1, 2, 3, 5, 10 Pound, as products terminal feature.	MIL-STD-202G Method 211A Test Condition A
Solder Ability Test	Soak in 245 °C solder pot of 3Sec, PAD must have 95% above coverage.	J-STD-003B
Terminal Push Strength Test	No special requirements: 5N thrust to maintain 10 Sec.	JIS C5321:1997

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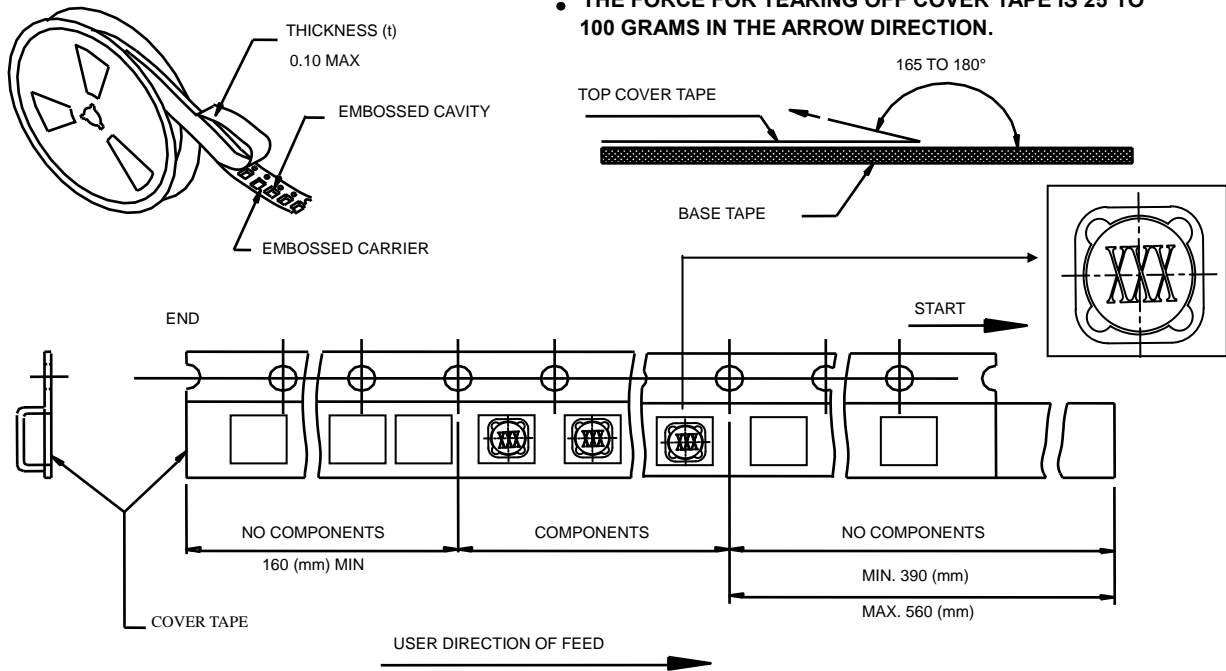
6. TYPICAL RoHS REFLOW PROFILE

Typical RoHS Reflow Profile



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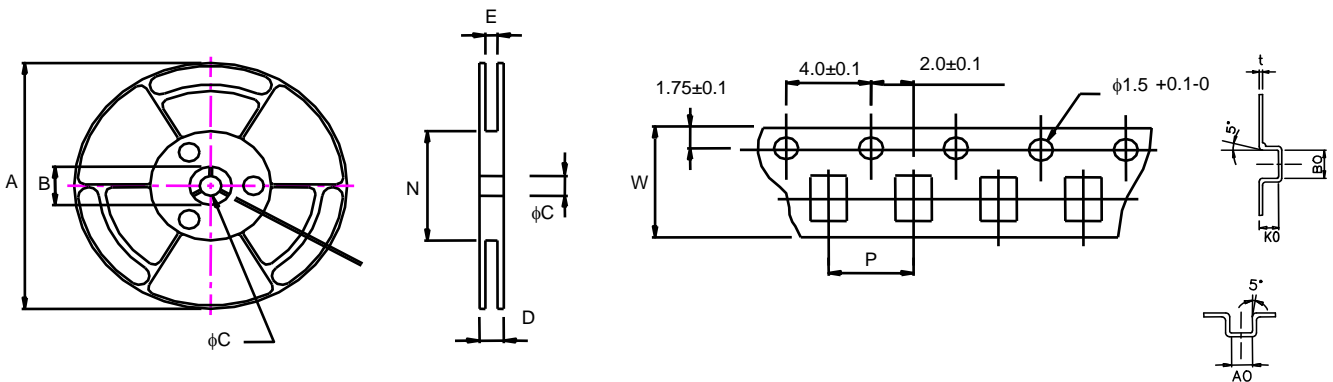
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■ CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC

■ DIMENSIONS OF CARRIER TAPE (mm)



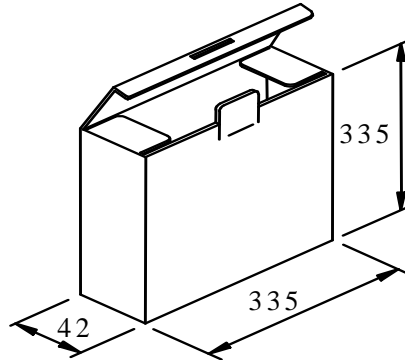
UNIT : mm

	A	B	C	E	N	P	D	W	t	A0	B0	K0
DIM.	340	20.2	13.0	24.5	100	16.0	30.5	24.0	0.35	12.3	12.3	8.4
TOL.	MAX	MIN	±0.5	+1.5-0	±0.3	±1.0	MAX	±0.3	±0.05	±0.1	±0.1	±0.1

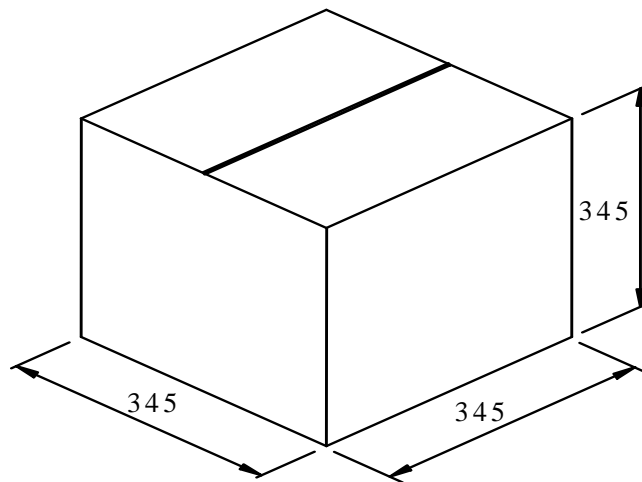
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UNIT : mm



- CONSTRUCTION:
THE CASE CONTAINS 24mm WIDE CARRIER TAPES.
Q'TY : 500 / REEL



TOTAL Q'TY :4,000 PCS