SPECIFICATION FOR APPROVAL

CUSTOMER	MARITEX
CUST. PART NO.	
CUST. DOC. REV.	
DESCRIPTION	MULTILAYER CHIP BEADS(ROHS+HF)
SAMPLE LOT NO.	S201712-0178
PART NO.	TI160808XXXX-LRH
DOC. REV.	ORIG
DATE	2018/1/4

Once you approve this part, please sign and return this page to the following marked location.

Customer Signature:_____ Date:_____

☐This part currently development section.

☐Production line can produce this series of products.

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TESTED BY	CHECKED BY	APPROVED BY
Jane Hsiao	Adam Lee	K.C Tseng

PROSPERITY DIELECTRICS CO., LTD.

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MARITEX		-	S201712-0178	
PART NAME	**PART NO.**	**REV.**	**DATE OF ISSUE**	**Q'TY**
MULTILAYER CHIP BEADS (ROHS+HF)	TI160808XXXX-LRH	ORIG	2018/01/04	0 PCS

ENGINEERING CHANGE NOTICE - RECORD

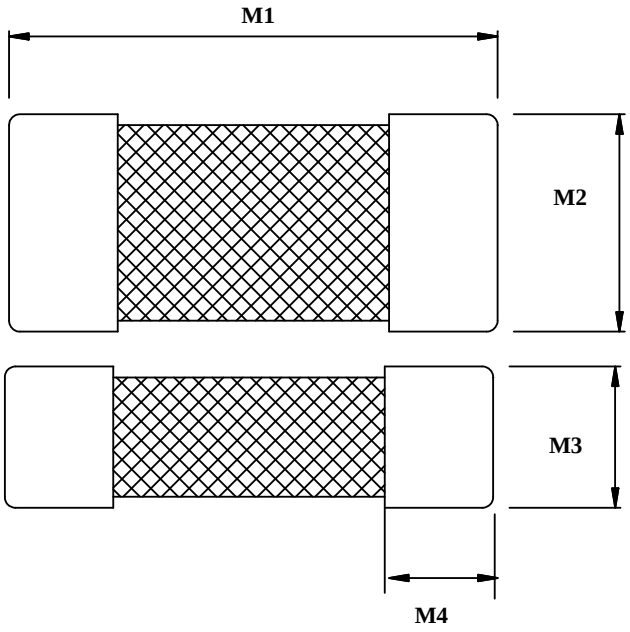
REVISION NO.	REVISION DESCRIPTION	AUTHOR	DATE	REMARK
ORIG		Adam Lee	2018/01/04	

SPECIFICATION FOR APPROVAL

SPECIFICATION FOR APPROVAL

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

1. MECHANICAL DIMENSION



UNIT : mm

	DIM.	TOL.
M1	1.6	±0.2
M2	0.8	±0.2
M3	0.8	±0.2
M4	0.3	±0.2

2. ELECTRICAL

P/N	Z (OHM) @100 MHz ±25%	DCR (OHM) MAX.	RATED CURRENT MAX. (A)
TI160808U300-LRH	30	0.050	3.0
TI160808U600-LRH	60	0.050	3.0
TI160808U121-LRH	120	0.100	2.0
TI160808U301-LRH	300	0.150	1.5
TI160808U601-LRH	600	0.300	1.0

TEST INSTRUMENT: HP4291B & CHROMA-16502

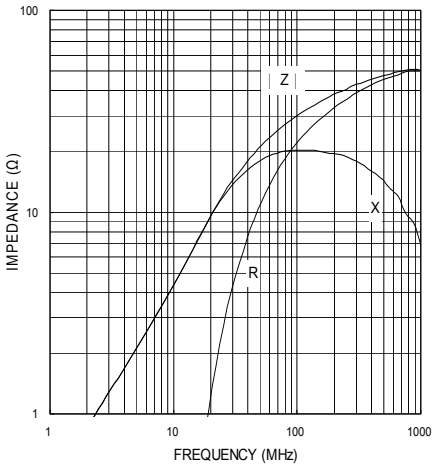
※NOTE:

OPERATING TEMPERATURE -55℃~+125℃

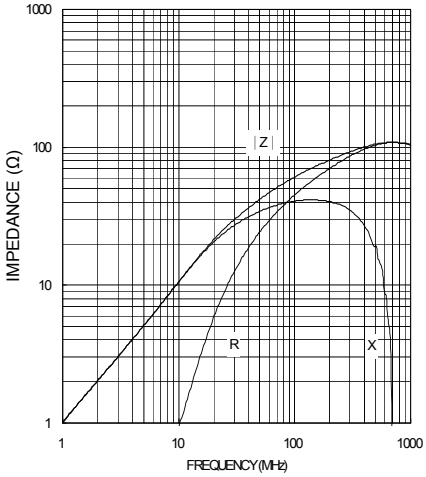
※ MSL：LEVEL 1

3. ELECTRICAL CURY

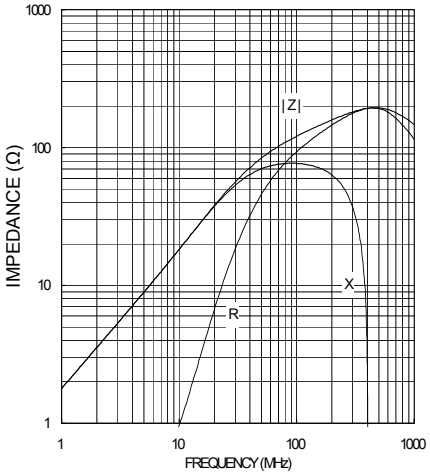
TI160808U300



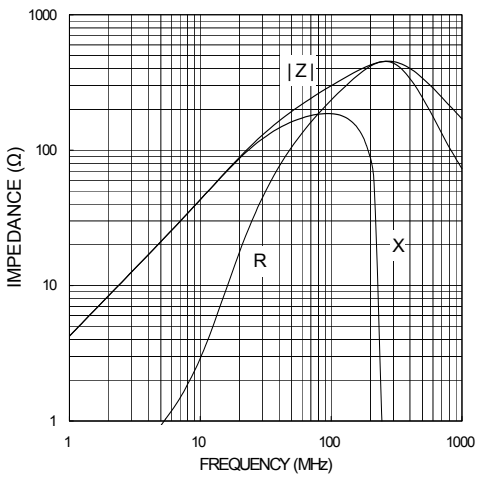
TI160808U600



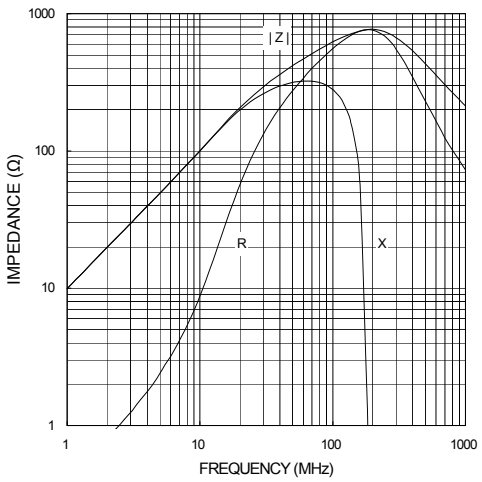
TI160808U121



TI160808U301



TI160808U601



4. RELIABILITY PERFORMANCE

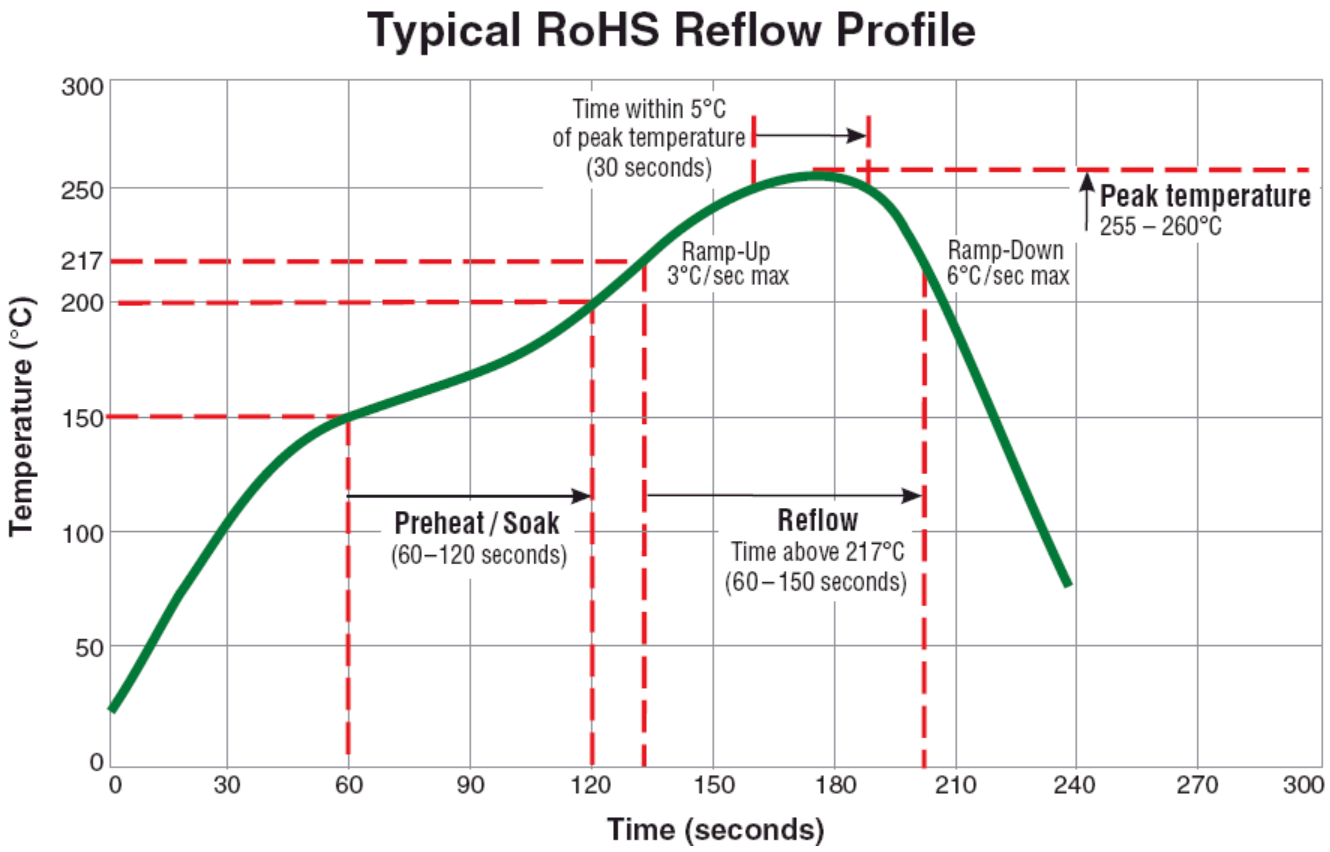
Reliability Experiment For Electrical

Test Item	Test Condition	Standard Source
Humidity Test	+40℃± 2℃, humidity of 90% ± 5% (total 96 hours).	MIL-STD-202G Method 103B Test Condition B
High Temperature Test	1.Temperature: +125℃±2℃. 2.Test time: 48±2hrs.	IEC 68-2 Test Condition B
Low Temperature Test	1.Temperature: -40℃±2℃. 2.Test time: 48±2hrs.	IEC 68-2 Test Condition A
Thermal Shock	+125℃±5℃ (30 minutes) ~ -40 ± 5℃ (30 minutes), temperature switch time: 5 minutes (total 50 cycles).	MIL-STD-202G Method 107G Test Condition B-2
Life Test	+70℃±5℃ (250Hours).	MIL-STD-202G Method 108A Test Condition B

Reliability Experiment For Physical

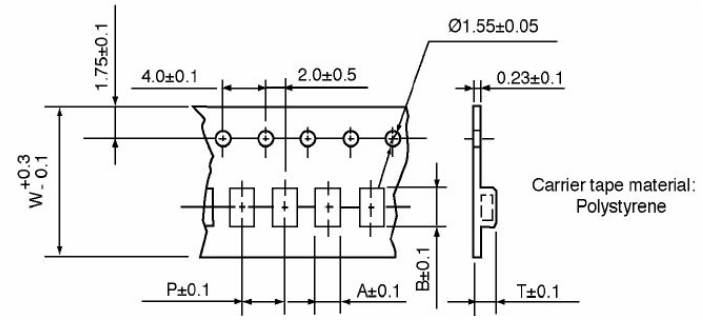
Test Item	Test Condition	Standard Source
Vibration Test	10-55-10HZ, amplitude: 1.5mm, direction: X, Y, Z axes, each axis 2 hours (total 6 hours).	MIL-STD-202G Method 201A
Solder Heat Resistance Test	IR/convection reflow:Peak Temp 260±5℃ for 30Sec in air, Through 2 Cycle. Temperature Ramp:+1~4°C/sec; Above 217°C, must keep 90 s - 120 s.	J-STD-020D Classification Reflow Profiles
Solder Ability Test	Soak in 245 ℃ solder pot of 3Sec, PAD must have 95% above coverage.	J-STD-003B

5. TYPICAL RoHS REFLOW PROFILE



6. PAPER CARRIER TAPE PACKAGING

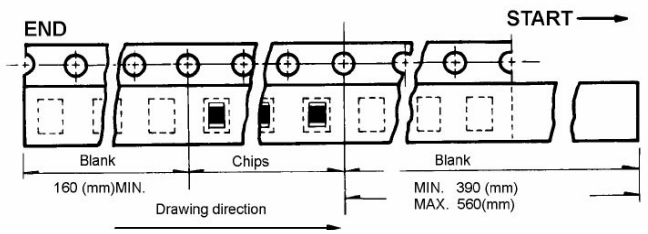
6.1 DIMENSIONS



UNIT : mm

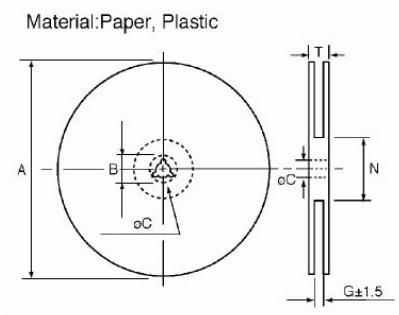
	A	B	W	P	T	CHIPS/REEL
DIM.	1.10	1.90	8	4	0.95	4000

6.2 LEADER AND TRAILER TAPE



6.3 DIRECTION THE DIRECTION SHALL BE SEEN FROM THE TOP OF COVER TAPE

6.4 REELS



UNIT : mm

	8mm	12mm
A	178±2	178±2
B	21.0±0.8	21.0±0.8
C	13.0±0.8	13.0±0.8
G	10.0	14.0
N	75	75
T	12.5	16.5