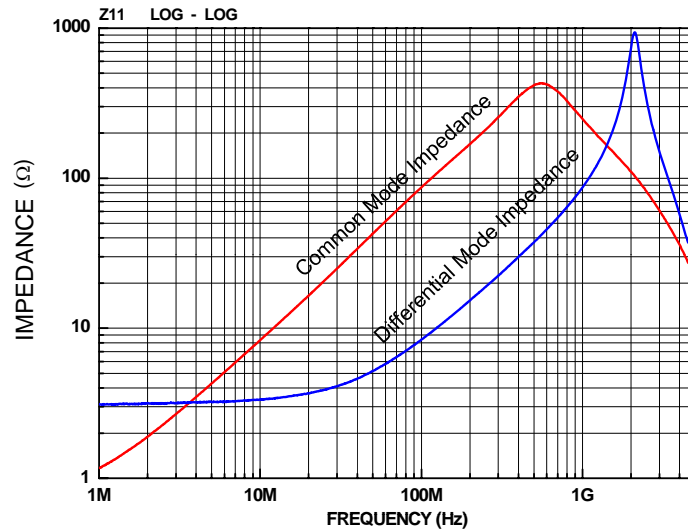


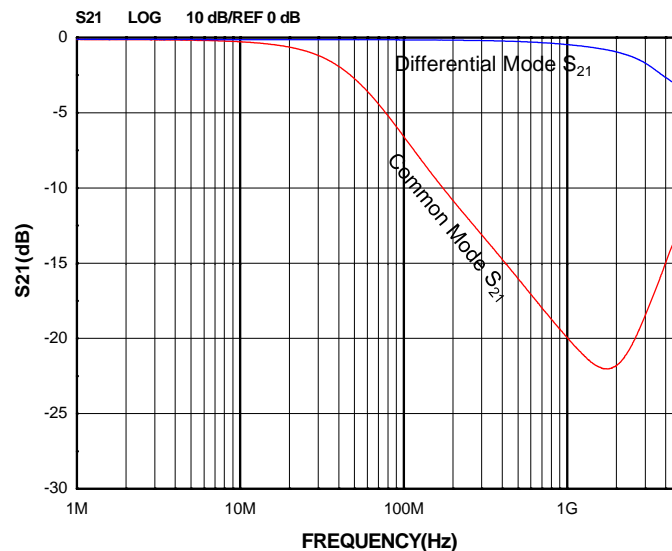
4. 2 SPECIFICATION OF ELECTRICAL CHARACTERISTICS

Characteristics	Common Mode Impedance	Resistance	Leakage Current	Capacitance	Insulation Resistance	Rated Voltage	Rated Current
symbol	Z_{CM}	R_{DC}	I_L	C	IR_{CR}	V_R	I_R
Units	Ω	Ω	μA	pF	M Ω	Volt	mA
Test Condition	@100MHz	25°C±2°C	5V	0.5Vrms @1MHz	5V	25°C±2°C	25°C±2°C
Value	90(±25%)	Max 4.0	Max 1.0	Max 1.7	Min 10	5	Max100

Impedance Curves



Transmission characteristics (S-parameter)



4. 3 OPERATING TEMPERATURE

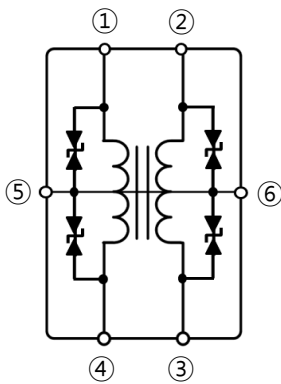
DESCRIPTION	REQUIREMENTS
Operating Temperature	-40°C ~ + 85°C

5. Equivalent Circuit & Recommended Foot print & Stencil Mask

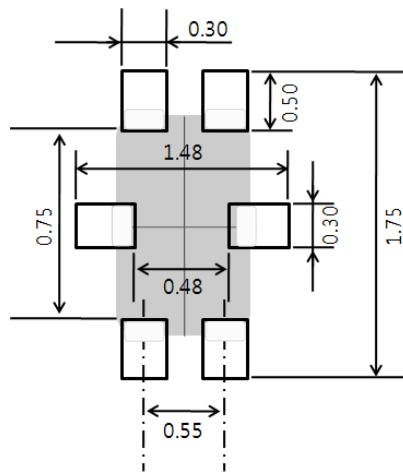
PIN NUMBER	DESCRIPTION
①~④	DATA LINE
⑤, ⑥	GROUND

Unit : mm

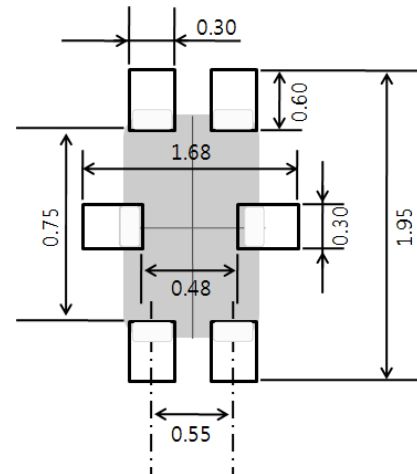
Stencil Mask T : 0.10mm



[Equivalent circuit]



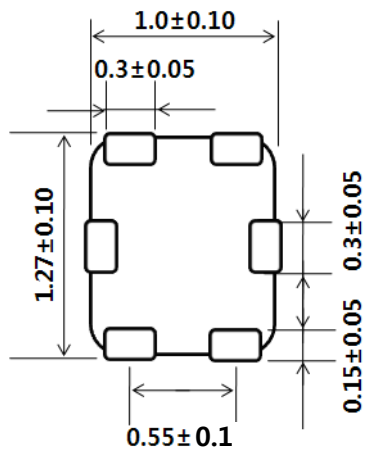
[Foot print]



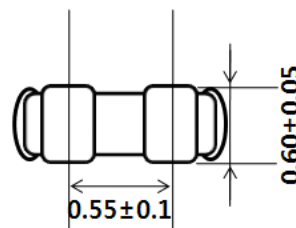
[Stencil Mask]

6. Appearance and Dimension

Unit : mm



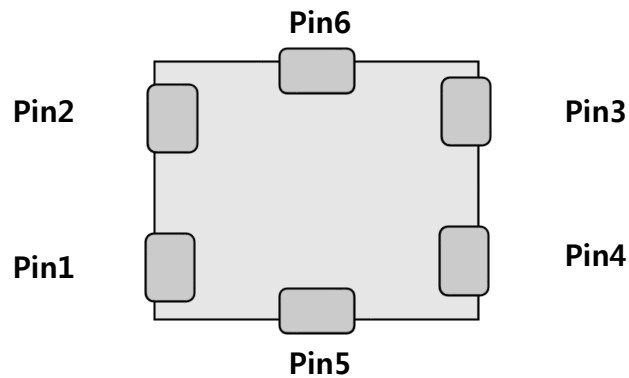
<top>



<side>

7. TEST METHOD OF ELECTRICAL PROPERTY

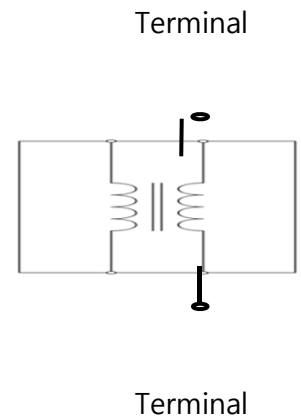
PIN INDEX



ITEM	DESCRIPTION	SOURCE	EQUIPMENT
Rdc	Pin 1-4, 2-3	10mA DC Source	Source Meter
CM Impedance	Pin 1-2(Short) to Pin 3-4(Short)	500mV	LCR Meter (3GHz)
IL	Pin 5 or 6 to Pin 1, 2, 3, 4	5V DC Source	Source Meter
IR _{CR}	Pin1 -2 or Pin3-4	5V DC Source	Source Meter

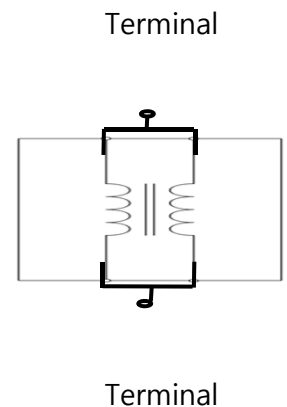
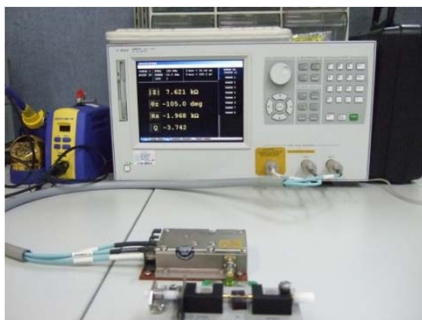
7. 1 Rdc (Model: KEITHLEY 2400)

- Off power and On power.
- Press button 'Ω' of MEAS.
- Measure Rdc value using test fixture.



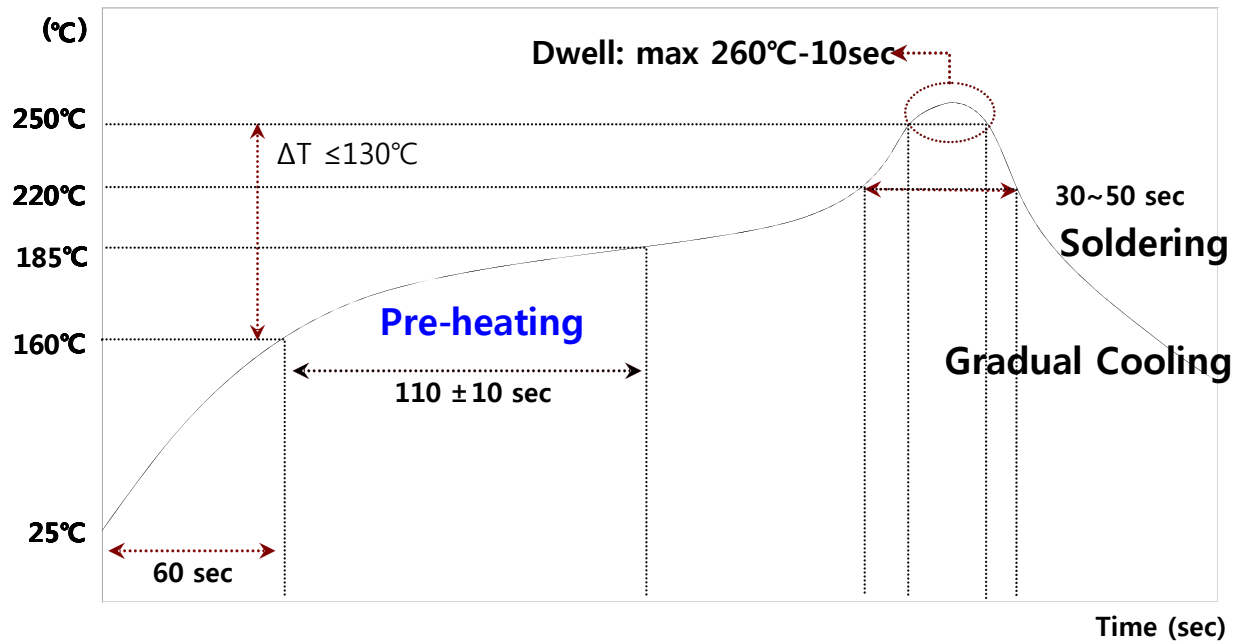
7. 2 Common Mode Impedance (Model: Agilent 4287A)

- Calibrate equipment
- Measure CM Impedance (at 100MHz) using test fixture.



8. REFLOW CONDITION

8. 1 RECOMMENDED SOLDERING PROFILE (Lead-free condition)



8. 2 RECOMMENDED LEAD-FREE SOLDER PASTE

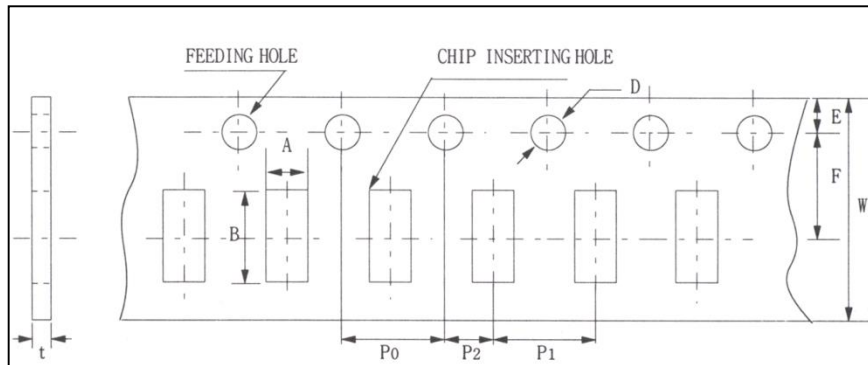
- Supplier : Tamura Donghwa
- Main composition : Sn-Ag-Cu
- Ratio of composition : 96.5%-3.0%-0.5%

8. 3 RECOMMENDED HAND SOLDER

- Max Temperature: Max 380 °C(Max 5sec)

9. PACKING SPECIFICATION

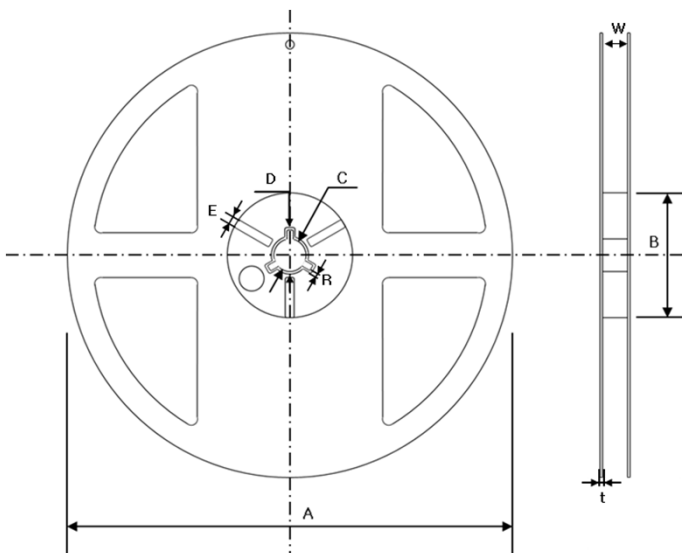
9. 1 CARRIER TAPE DIMENSIONS



Unit : mm

SYMBOL	A	B	W	F	E	P ₁	P ₂	P ₀	D	t	
DIMENSION	11	1.15 ±0.05	1.5 ±0.05	8.0 +0.30 -0.10	3.5 ±0.05	1.75 ±0.05	4.0 ±0.10	2.0 ±0.05	4.0 ±0.10	1.55 ±0.03	0.75 ±0.05

9. 2 REEL DIMENSIONS



- (1) Reel Materials: Polystyrene
- (2) Label
- (3) Taping
 - Standard Packing Quantity per Reel (φ178)
 - Paper Tape: 4,000pcs

Unit : mm

CODE	A	B	C	D	E	W	t	R
DIMENSION	φ178±2	Min. φ50	φ13±0.5	φ20±0.8	3.0±0.5	10±1.5	1.3±0.2	1.0±0.2