

规格书编号

SPEC NO :

产品规格书 SPECIFICATION

CUSTOMER 客 户: _____
PRODUCT 产 品: _____ CRYSTAL RESONATOR
MODEL NO 型 号: _____ SMD2P0503-25.000-8-50/50/-10~70℃
PREPARED 编 制: _____ LEO CHECKED 审 核: _____ YORK
APPROVED 批 准: _____ LIUMING D A T E 日 期: _____ 2017-12-14

客户确认 CUSTOMER RECEIVED:		
审核 CHECKED	批准 APPROVED	日期 DATE

无锡市好达电子有限公司
Shoulder Electronics Limited

更改历史记录

History Record

更改日期 Date	规格书编号 Spec No	产品型号 Part No	客户产品型号 Customer No	更改内容描述 Modify Content	备注 Remark

SPECIFICATIONS

1、 GENERAL

Oscillation Mode:	AT-CUT, Fundamental
Nominal Frequency:	25.000MHz
Load Capacitance:	8pF
Storage Temperature:	from -40 to +85℃
Operable Temperature:	from -10 to +70℃

2、 ELECTRICAL PERFORMANCE

Frequency Tolerance:	$\pm 50\text{ppm at } 25^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Temperature Characteristics:	$\pm 50\text{ppm from } -10 \text{ to } +70^{\circ}\text{C}$
Series Resistance:	70Ohm max.
Shunt Capacitance:	7.0 pF max.
Drive Level Nominal:	100 μW
Insulation Resistance:	500 m Ω at DC 100V
Aging:	$\pm 5\text{ppm/year}$
Package Spec:	TAPE & REEL

3、 REMARKS

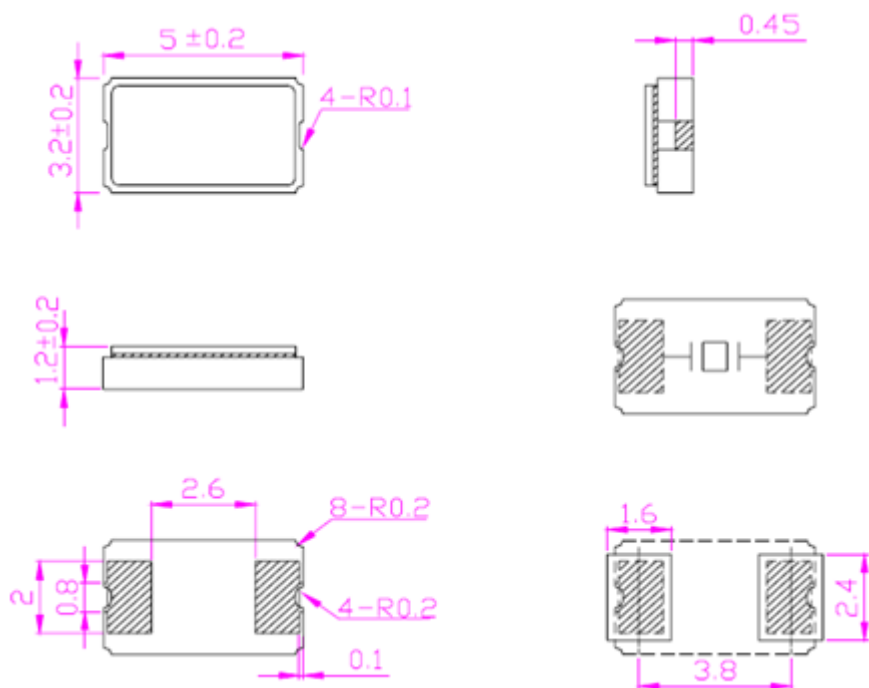
Marking:	SDE 25.000MHZ
Pb Free & RoHS Compliant:	Yes

SPECIFICATIONS

PHYSICAL & ENVIRONMENTAL PARAMETERS:

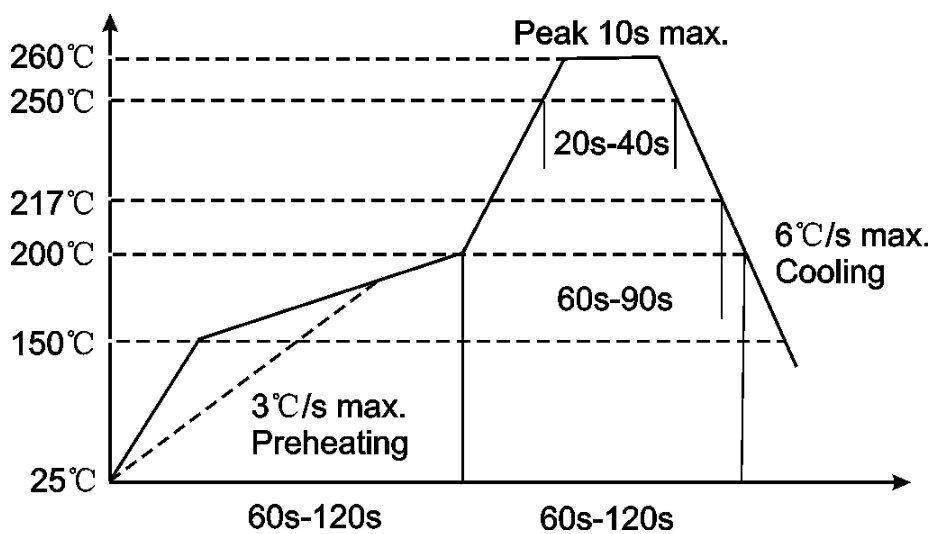
No	DESCRIPTION	CONTENTS	Requirements
1	Lead Strength	Force of 0.9 kg is applied for 5 seconds to each lead in axial direction.	No mechanical damage and the measured values shall meet electrical parameters.
	Lead Bending	Firmed the terminal up to 2 mm, lead shall be subjected to withstand against 90° bending its stem. This operation shall be done toward both direction.	
	Vibration	10~55Hz , 0.75mm amplitude, in 3 directions duration of 30 minutes.	
3	Random Dropping	The crystal will be test by natural dropping to 100mm wooden board 3 times from high of 30 cm.	At least 95% of the terminal surface shall be coated by the solder
4	Solder Stability	Dipped the terminals no closer than 2 mm into the solder bath at $235 \pm 5^{\circ}\text{C}$ for 10 ± 0.5 sec.	
5	Resistance Solder Heat	Dipped the terminals up to 2 mm into the solder bath ($260 \pm 5^{\circ}\text{C}$) for 5 sec., placed in a natural condition for 2 hours.	
6	Thermal Shock	Temperature cycling from -40°C (30mins) to $+85^{\circ}\text{C}$ (30mins) was performed 3 times, then placed in a natural condition for 2 hours.	Measured values shall meet electrical parameters.
7	Life Test (High Temperature)	Placed in a chamber ($85 \pm 2^{\circ}\text{C}$) for 48 hours, then placed in a natural condition for 2 hours.	
8	Life Test (Low Temperature)	Placed in a chamber ($-40 \pm 2^{\circ}\text{C}$) for 48 hours, then placed in a natural condition for 2 hours.	
9	Humidity	Placed in a chamber (Humi: 90~95% RH, Temp: $60 \pm 2^{\circ}\text{C}$) for 48 hours, then placed in a natural condition for 2 hours.	

DIMENSIONS



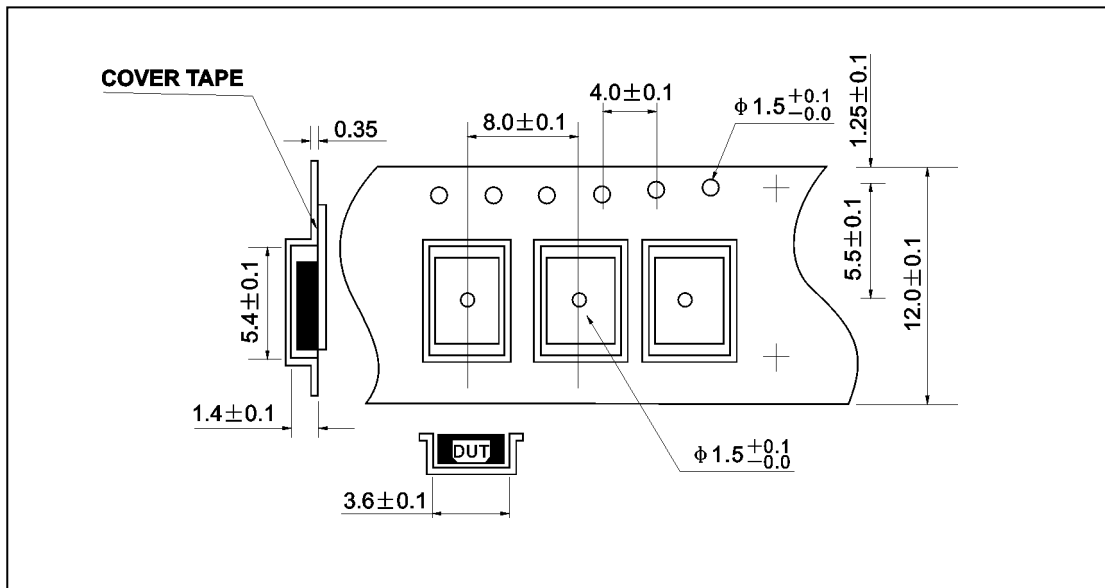
Unit: mm

REFLOW PROFILE

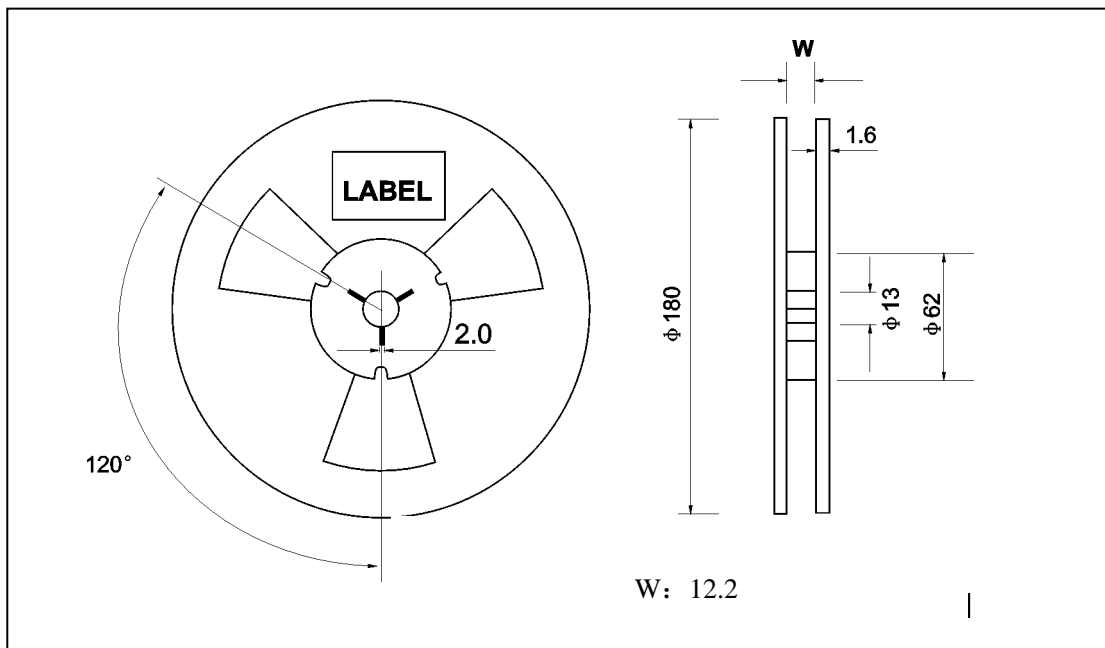


PACKING INFORMATION

TAPE DIMENSIONS



REEL



Unit: mm