规格书编号

SPEC NO :

产品规格书
SPECIFICATION

CUSTOMER 客 户：

PRODUCT 产 品：CRYSTAL FILTER

MODEL NO 型 号：49T-10.7M15B-E

PREPARED 编 制：LEO CHECKED 审 核：YORK

APPROVED 批 准：LIUMING D A T E 日 期：2012-12-13

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

SPECIFICATION SHEET

☐ APPLICATION

This Standard Will Apply to The Quartz Crystals.

☐ ELECTRICAL DATA

NO	Speciality	Parameter
01	Holder type	MCF 49T*2
02	Mode of Oscillations	Fundamental
03	Center Frequency	10.7MHz
04	Pass bandwidth	±7.5KHz min (at 3dB)
05	Pass band ripple	1.0dB max
06	Insertion loss	2.0dB max
07	Stop Band width	±25KHz max (at 40dB)
08	Terminating impedance	3000Ω//1pf//5pf
09	Operating Tem. Range	-40~+85℃
10	Insulated Resistance	500MΩ(max)(DC100V)
11	Aging per Year	±3ppm

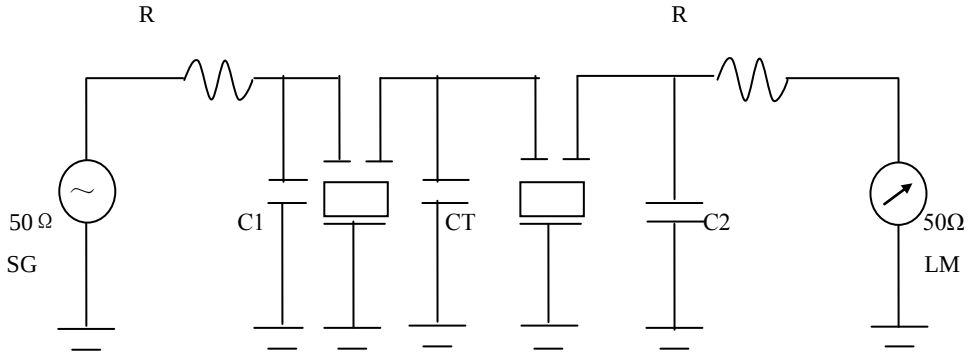
□ MECHANICAL DATA

1. Marking:	SDE 10M15B-E
2.Shock Test:	Dropping from 50 cm height,3 times on 30mm-thick- hard wood, After testing, the electrical data follows the requirement.
3.Vibration Test:	30 minutes in each direction 10 to 55 Hz, amplitude 0.75mm, After testing, the electrical data follows the requirement.
4.Terminal strength:	Tensile: Fix main body of crystal. Load 0.9kg pulling force along, teminal axial for 30±5 seconds. The terminal can not he pulled out or broken. Bending: Hang 450g object on lead terminal. Bend 90 degree for 2 to 3 seconds. Return to the former place with the same speed and then do it again oppositely. The down-lead does not become broken and loosed.
5.Sealing:	The crystal unit shall be immersed in alcohol for 5 minutes with 5kg pressure per cm2 .Taking out, Testing the resistance between down- lead and fundamental. The resistance shall be at least 500MΩ(max) (DC100V).
6.Temperature cycle:	2～3 min -40°C to +85°C 30min 30min After cycling three times, there is no distinct damage on the surface. Capacity testing requirement as vibration.

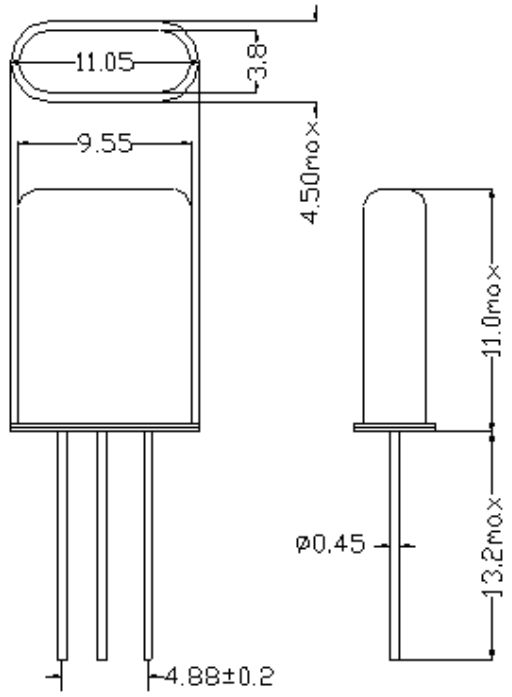
□ MECHANICAL DATA

7.Solderability：	The lead(2to2.5mm from terminal to bottom) is immersed in a 230±5℃ Solder bath within 2±0.5 seconds. The dipping surface of the lead shall be at least 95% covered with a Continuous new solder coating. Capacity testing requirement as vibration.
8. Resistance to soldering heat：	The(2 to 2.5mm from terminal to bottom) is immersed in a 350±10℃ solder bath within 3.5±0.5 seconds. After testing, without distinct damage on the surface. Capacity testing requirement as vibration.
9. Resistance to heat：	Resistance to the lowest temperature: Stored at -40±3℃ for 2 hours and then at normal temperature for 2 hours before testing. Capacity testing requirement as vibration. Resistance to the highest temperature: Stored at 85±2℃ for 2 hours and then at normal temperature for 2 hours before testing. Capacity testing requirement as vibration.
10. Invariable humidity：	Stored at 40±3℃ and RH93%±2% for 48 hours and then at normal condition for 2 hours before testing. Without distinct damage to the surface. Capacity testing requirement as vibration.

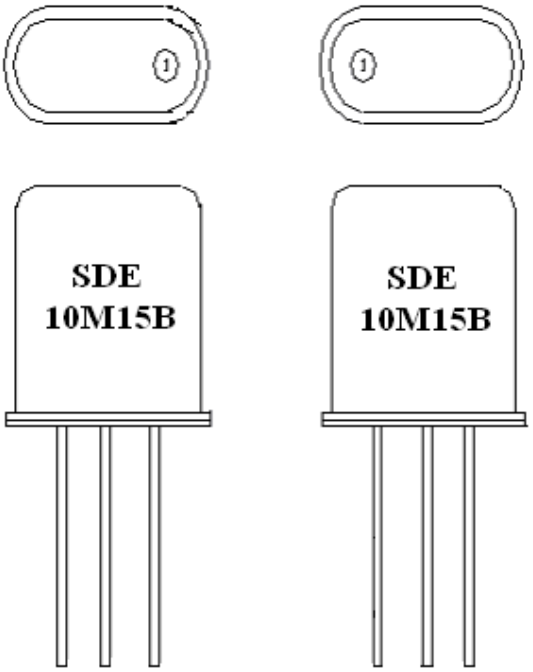
Test Circuit



R：2950Ω,C1,C2：1pf，CT:5pf



49T *2



MARKING