

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: \_\_\_\_\_ UM-1-58.525M15B \_\_\_\_\_  
PREPARED 编制: Chenqinggui CHECKED 审核: york  
APPROVED 批准: Wangjianwen D A T E 日期: 2010-8-20

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

**1. SPECIFICATION**

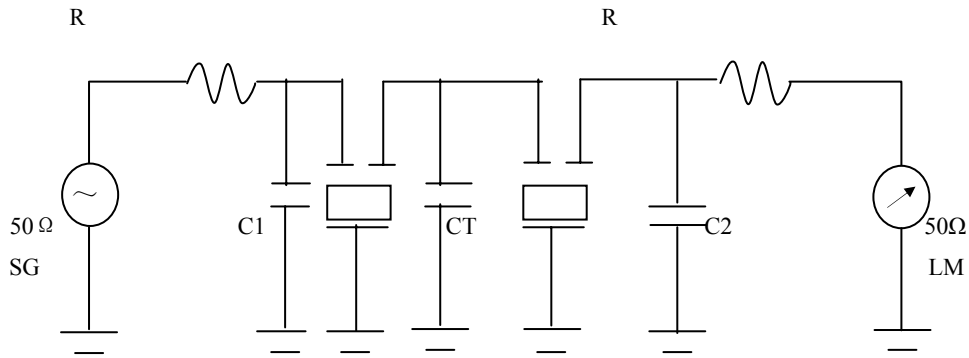
<input type="checkbox"/> APPLICATION This Standard Will Apply to The Quartz Crystals.		
<input type="checkbox"/> ELECTRICAL DATA		
NO	Speciality	Parameter
01	Holder type	58.525M15B
02	Mode of Oscillations	Fundamental
03	Center Frequency	58.525MHz
04	Pass bandwidth	$\pm 7.5\text{KHz}$ min (at 3dB)
05	Pass band ripple	1.0dB max
06	Insertion loss	3.0dB max
07	Stop Band width	$\pm 32\text{KHz}$ max (at 40dB)
08	Terminating impedance	$350\ \Omega // 3.5\text{pf} // 12\text{pf}$
09	Operating Tem. Range	-20~+70°C
10	Insulated Resistance	$500\text{M}\ \Omega$ (max)(DC100V)
11	Aging per Year	$\pm 3\text{ppm}$

**2. MECHANICAL DATA**

1. Marking:	
2. Shock Test:	Dropping from 75 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, terminal axial for 30±5 seconds. The terminal can not be 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 cm <sup>2</sup> . 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 -20℃ to +70℃ 30min 30min After cycling three times, there is no distinct damage on the surface. Capacity testing requirement as vibration.
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	Resistance to the lowest temperature: Stored at -25±3℃ for 2 hours

heat:	and then at normal temperature for 2 hours before testing. Capacity testing requirement as vibration. Resistance to the highest temperature: Stored at $70\pm 2^{\circ}\text{C}$ for 2 hours and then at normal temperature for 2 hours before testing. Capacity testing requirement as vibration.
10.Invariable humidity:	Stored at $40\pm 3^{\circ}\text{C}$ and $\text{RH}93\%\pm 2\%$ for 48 hours and then at normal condition for 2 hours before testing. Without distinct damage to the surface. Capacity testing requirement as vibration.

**3. TEST CIRCUIT**



R: 350Ω, C1, C2: 3.5pf, CT: 12pf

**5. DIMENSIONS**

