DATE: February 20, 2023

产品规格书

SPECIFICATION FOR APPROVAL



Bentex Ltd

MCF-HC-49T 10.695MHz

- 用户名称 CUSTOMER:
- 产品描述 DESCRIPTION:
- 产品部品号 MANUFACTURER PART NO.: FT10L07A
- 用户部品号 CUSTOMER PART NO:
- 使用于机型 USED IN MODEL:

	承	认	ļ	APPROVAL
工程部		退 质部		采购部
TECHNOLOGY DEPT.	QUAL	JTY DEPT.		PURCHASING DEPT.



深圳市炬烜科技有限公司

CHIP SUN TECHNOLOGY CO., LTD

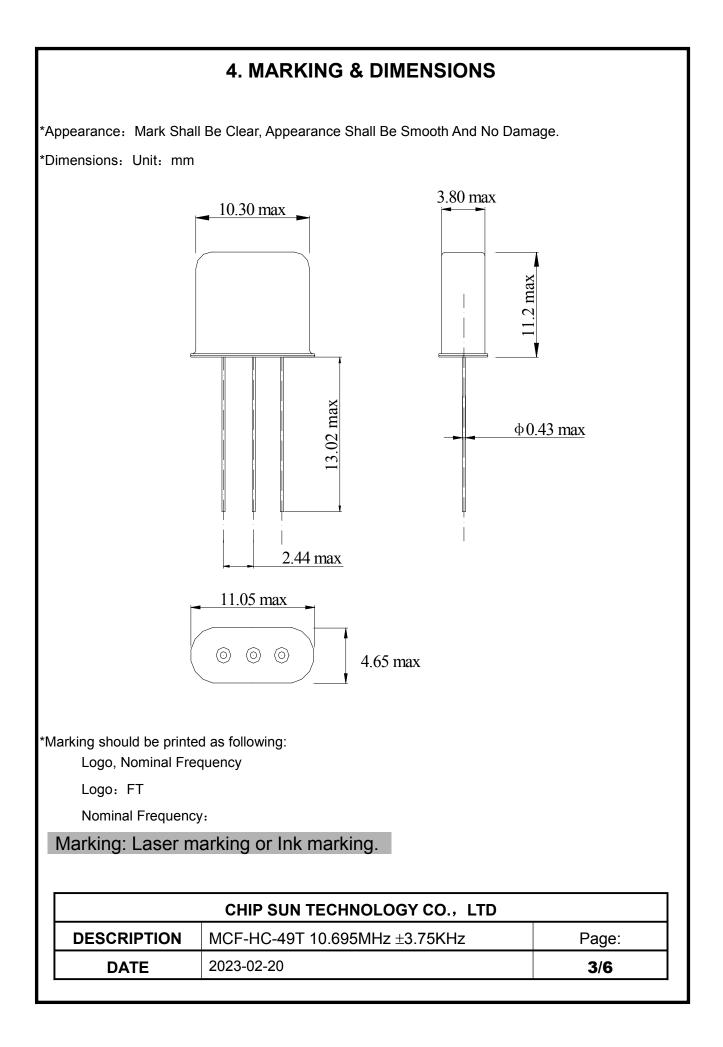
地址 ADD: 深圳市龙华新区大浪腾龙路淘金地电子商务孵化基地 B 座 206 Rm. 206, Tower B, Taojindi Building, Tenglong Road, Dalang Street, Longhua New District, Shenzhen, China 电话 TEL: 86-755-83458798 传真 FAX: 86-755-83459818 网址 WEB ADD: http://www.chinachipsun.com E-MAIL: sales04@chinachipsun.com

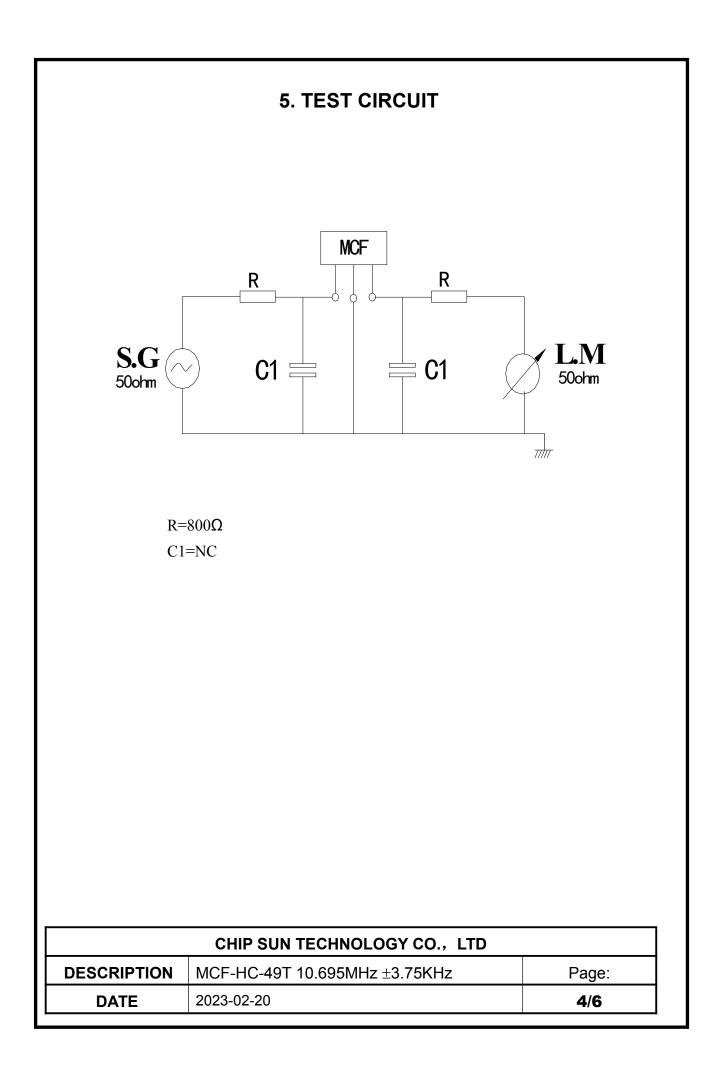
1. QUARTZ CRYSTAL UNIT SPECIFICATION

1. General

1.1 Model Name :	FT10L07A
1.2 Holder type :	MCF HC-49/T
2. Electrical Specification :	
2.1 Frequency:	10.695MHz
2.2 Mode of Oscillation	AT Fundamental
2.3 Poles	2
2.4 Pass Band Width :	±3.75KHz min(3dB)
2.5 Stop Band Width:	±20.0KHz max (20dB)
2.6 Pass Band Ripple :	0.5dB max
2.7 Insertion Loss :	2.0dB max
2.8 Attenuation Guarantee :	35dB min (f0 \pm 300KHz~ \pm 1000KHz)
2.9 Terminating Impedance :	
2.6 Torminating impedance :	IN: 850Ω
	IN: 850Ω OUT: 850Ω
2.10 Channel Spacing :	
	Ουτ: 850Ω
2.10 Channel Spacing :	OUT: 850Ω 12.5KHz
2.10 Channel Spacing : 2.11 Insulation resistance :	OUT:850Ω 12.5KHz More than 500M ohms at DC 100V
2.10 Channel Spacing :2.11 Insulation resistance :2.12 Operable temperature range :	OUT: 850Ω 12.5KHz More than 500M ohms at DC 100V -20°C To +70°C

CHIP SUN TECHNOLOGY CO., LTD			
DESCRIPTION	MCF-HC-49T 10.695MHz ±3.75KHz	Page:	
DATE	2023-02-20	2/6	





6.MECHANICAL/ENVIRONMENTAL CHARACTERISTICS

NO.	ITEM	SPECIFICATIONS
6.1	Resistance to Cold	The units should satisfy its frequency and resistance specifications stated in Table 1 after being subjected to stand at -40±3°C for 96 hours. The units are then allowed to stand at room temperature for approx 2 hours before checking.
6.2	Resistance to Heat	The units should satisfy its frequency and resistance specifications stated in Table 1 after being subjected to stand at 85±2°C for 96 hours. The units are then allowed to stand at room temperature for approx 2 hours before checking.
6.3	Temperature Cycle	The units should satisfy its frequency and resistance specifications stated in Table 1 after the units are subjected to stand in a Low Temperature Chamber at -40±3°C for 30 minutes and to stand in a High Temperature Chamber at 85 ±2°C for 30 minutes, with 2 to 3 minutes standby at room temperature in between the chamber transfers. This consist of one cycle; and units are subjected continuously for 5 cycles. After cycling, the units are allowed to stand at room temperature for approx 2 hours before checking.
6.4	Resistance to Damp	The units should satisfy its frequency and resistance specifications stated in Table 1 after the units are subjected to stand in the test chamber capable of maintaining 40±2°C temperature and 90 to 95%(RH) relative humidity for 100 hours. The units are ther allowed to stand for approx 2 hours in room temperature before checking
6.5	Bending Strength of Lead Wire Termination	The unit's lead wire should withstand a weight of 450g in mass suspended from its original draw-out axis, and turning the body at a bending rate of 2 to 3 secs. until it IS approx 90° from the original axis; and returning back to its original position at the same bending rate. After this, the same method is repeated on the opposite 90° position. There should be no abnormalities detected on the unit.

CHIP SUN TECHNOLOGY CO., LTD			
MCF-HC-49T 10.695MHz ±3.75KHz	Page:		
2023-02-20	5/6		
	MCF-HC-49T 10.695MHz ±3.75KHz		

6.6		The units should withstand a tensile force applied to the termination
	Tensile Strength Termination	in the direction of its draw-out axis of up to 900g maintained as is
		for 30±5 seconds. There should be no abnormalities detected on
		the unit.
	Solder ability	Under JIS C 5033 , at least 90% of the lead wire periphery surface
6.7		is covered with new solder up to the point where it is dipped on a
		molten solder.
		The units are measured for its frequency and resistance in
6.8	Resistance to Soldering Heat	accordance with Table 1 after immersion into molten solder with a
0.0		temperature of 350±10°C for 3 to 4 seconds and at a depth up to a
		point 2.0 to 2.5 mm from the base root.
	Dropping Test	Unit Drop Test
~ ~		The units are measured for its frequency and resistance in
6.9		accordance with Table 1 after allowing the units to fall freely from
		50 cm of height 3 times on a firm wood .
	0 Vibration Test	The units are measured for its frequency and resistance in
		accordance with Table 1 after subjecting to 30 minutes of vibration
6.10		with 1.5 mmp-p amplitude with 10-55-10Hz frequency sweep. Three
		perpendicular plane (axes) of vibration are available; however each
		unit is allowed to vibrate in only one plane, thus each plane
		requires approx 1/3 of the total units.

	TABLE 1		
Electrical Specification	Should satisfy stated in		
	2.4 2.5 2.6 2.7 2.8 2.9		

CHIP SUN TECHNOLOGY CO., LTD			
DESCRIPTION	MCF-HC-49T 10.695MHz ±3.75KHz	Page:	
DATE	2023-02-20	6/6	