

时间频率波形元件

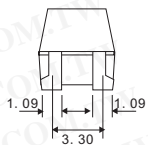
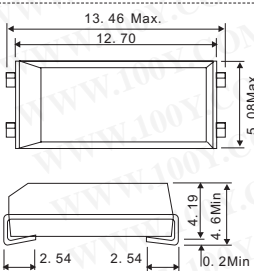
SMD石英震荡子

详细产品规格 - 请点击 cn.100y.com.tw



这谐振器广泛被应用在计算机、传真、电视、AV 种类设备和仪器里

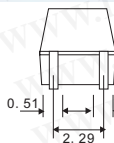
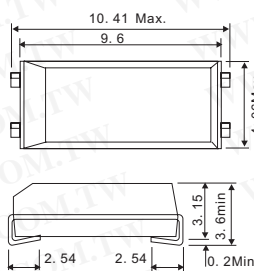
100Y 编号	厂商编号	说明	频率(MHz)	负载电容(pF)	Can Style	频差±ppm
23339	ESB32.7680T20D35F	石英振荡器	32.768MHz	20pF	HC-49/S-SMD	±30ppm



项目	符号	说明	备注
一般功率	f	4.000 MHz to 29.999 Mhz *1 30.000 MHz to 64.000 Mhz *2	Fundamental mode 3rd overtone mode
存储温度	T _{STG}	-55 °C to +125 °C	Stored as bare product after unpacking
工作温度	T _{OPR}	-20 °C to +70 °C	Please contact us on availability of -40 °C to +85 °C
最大激励电平	GL	2 mW Max.	Only crystal oscillation is guaranteed
推荐激励电平	DL	10 µW to 100 µW	
频率误差	Δf/f	±50 x 10 ⁻⁶	Ta=+25 °C±3 °C
频率温度特征 (标准)		Under 5.5 MHz: ±50 x 10 ⁻⁶ Over 5.5 MHz: ±30 x 10 ⁻⁶ Fundamental: 10 pF to ∞ Over tone: 5 pF to ∞	-20 °C to +70 °C For the out of standard specifications, please contact us for inquires
负载电容	C _L		Please specify
串联电阻	R ₁	As per table below	-20 °C to +70 °C, DL=100 µW
静电容	C ₀	5 pF Max.	
绝缘电阻	IR	500 MΩ min.	
老化率	fa	±5 x 10 ⁻⁷ /year	Ta=+25 °C±3 °C, first year
振动电阻	S.R.	±10 x 10 ⁻⁶ Max.	Three drops on a hard board from 750 mm or excitation test with 29400 m/s ² x 0.3 ms x 1/2 sine wave x 3 directions

- 优秀耐热和环境能力。
- 覆盖频率范围广，从 4 MHz 到 64 Mhz.

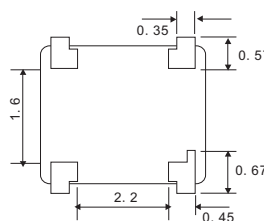
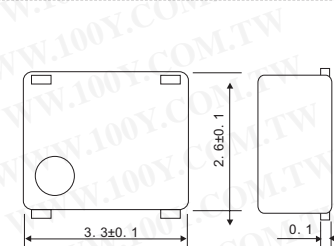
100Y 编号	厂商编号	制造厂商	说明	频率(MHz)	负载电容(pF)	Can Style	频差±ppm
11848	MA-506-32.000M	EPSON	SMD 石英震荡子	32.000	20pF	MA-506	30ppm
11847	MA-506-4.194M	EPSON	SMD 石英震荡子	4.194	18	MA-506	30ppm



项目	符号	说明	备注
一般功率	f	32.768 kHz 20.000 kHz to 165.000 kHz 307.2 kHz	
存储温度	T _{STG}	-55 °C to +125 °C	Stored as bare product after unpacking
工作温度	T _{OPR}	-40 °C to +85 °C	
最大激励电平	GL	1.0µW max.	
焊接情况	T _{SOL}	Twice at under 260 °C within 10 sec. or under 230 °C within 3 min.	
频率误差	Δf/f	±20ppm, ±50ppm ±50ppm, ±100ppm (307.2 kHz: ±100ppm)	Ta=25 °C, DL=0.1µW
转交温度 (频率)	θT	25 °C ±5 °C	
温度系数 (频率)	a	-0.04ppm/°C max.	
负载电容	C _L	6pF to ∞	Please specify
串联电阻	R ₁ C ₁	50 kΩ max. 2.0F typ. 55kΩ to 6kΩ 4.0F to 0.6F	For details, refer to 15
运动电容	C ₀	0.85pF typ. 2.0pF to 0.6pF	
静电容	IR	500 MΩ min.	
绝缘电阻	fa	±3ppm/year max. ±5ppm/year max.	Ta=25 °C±3 °C, first year
老化率			
振动电阻	S.R.	±5ppm max.	Three drops on a hard board from 75 cm or excitation test with 3000G x 0.3ms x 1/2 sine wave x 3 directions

- 高密度架置 SMD 类型。
- 允许完成石版影印统一，表现稳定。
- 优秀震动抵抗和环境能力。
- 可覆盖低频率范围上从 20 kHz 到 165 kHz.
- 适合于时间保持时钟和微型计算机。

100Y 编号	厂商编号	制造厂商	说明	频率(MHz)	负载电容(pF)	Can Style	频差±ppm
16913	MC-405-32.768K	SHI(SEIKO)	SMD 石英振荡器	32.768KHz	0.85	MC-405	±30ppm



项目	符号	说明		备注
		PH / SH	PC / SC	
输出功率范围	F ₀	1.0 MHz to 80 MHz —	— 1.0 MHz to 125 MHz	V _{DD} = 4.5 V to 5.5 V V _{DD} = 3.0 V to 3.6 V
最大电源电压	V _{DD-GND}	-0.5 V to +7.0 V		
操作电压	V _{DD}	4.5 V to 5.5 V	2.7 V to 3.6 V	
存储温度	T _{STG}	-40 °C to +125 °C		Stored as bare product after unpacking
工作温度	T _{OPR}	-20 °C to +70 °C (-40 °C to +85 °C)		
频率差	Δf/f ₀	B: ±50 x 10 ⁻⁶ C: ±100 x 10 ⁻⁶ M: ±100 x 10 ⁻⁶ *3	L: ±50 x 10 ⁻⁶	-20 °C to +70 °C -40 °C to +85 °C -40 °C to +85 °C, V _{DD} ±5%
消耗电流	I _{OP}	35 mA Max. —	28 mA Max. —	No load (f ₀ = 80 MHz) No load (f ₀ = 125 MHz)
输出失效电流	I _{OE}	20 mA Max. —	— 16 mA Max.	P type only (OE = GND, f ₀ = 80 MHz) P type only (OE = GND, f ₀ = 125 MHz)
输出负载电容 CMOS	C _L	15 pF		Max. frequency and Max. operating voltage range
老化率	fa	±5 x 10 ⁻⁶ / year Max.		Ta = +25 °C, First year
振动电阻	S.R.	±20 x 10 ⁻⁶		Max. Three drops on a hard board from 750 mm or excitation test with 29400 m/s ² x 0.3 ms x 1/2 sine wave in 3 directions

100Y 编号	厂商编号	制造厂商	说明	频率(MHz)	负载电容(pF)	Can Style	频差±ppm
23484	SG-8002LA5M-PHM	EPSON	HIGH-FREQUENCY CRYSTAL OSCILLATOR	1.0-80MHz	15Pf	4P/SOIC	+/-50ppm



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