Citizen Crystals and Oscillators - CM130

查询CM130供应商

捷多邦,专业PCB打样工厂,24小时加急出货

(3,000pcs/reel)

FEATURES:

- Being of the ultra-miniature SMD type, and thus featuring excellent efficiency in mounting, the CM130 is ideal for application to highdensity circuit boards.
- As it incorporates a heat-resisting packaged cylinder-type crystal, it • features highly stable characteristics-high enough to permit reflow soldering.
- Can be mounted automatically because of the emboss taping used. •
- Its low power consumption makes it ideal for application to portable • equipment as well as high density, cellular phone designs.

APPLICATIONS:

• Permits use as a clock source for communication equipment, AV equipment, OA equipment, camera, cellular phones, pagers and measuring instruments.

STANDARD SPECIFICATIONS

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Item 199		CM130	Conditions
Nominal frequency	fo	32.768kHz	
Frequency tolerance	delta f/fo	± 20ppm	Reference temperature
Frequency vs.Temperature Characteristics	delta f/fo	See drawing	-10°C to +60°C
Turnover temperature	Tm	$25^{\circ}C \pm 5^{\circ}C$	
Freq. temp. coefficient	beta	-0.034 ± 0.006 ppm/°C2	
Operating temperature range	Topr	-40° C to $+85^{\circ}$ C	
Storage temperature range	Tstg	-55°C to +125°C	
Equivalent series resistance	R 1	65k ohm MAX.	Reference temperature
Load capacitance	CL	12.5pF TYP.	Please specify
Motional capacitance	C1	0.0023pF TYP.	azsc.co.
Shunt capacitance	C ₀	1.2pF TYP.	W W
Capacitance ratio	gamma	520 TYP.	
Drive level	DL	1 μ W MAX.	
Insulation resistance	IR	500M ohm MIN.	$DC100V \pm 15V$
Aging (First year)	delta f/f0	± 3ppm MAX.	$25^{\circ}C \pm 3^{\circ}C$
Sealing		1 x 10-2 μ Pa·m3 /s MAX.	
Shock resistance	Drop 75cm h	±5ppm MAX. test of 3 times on a hard board from eight or shock test of 3000G x 0.3ms x 1/2sin wave x 3 directions	



■ FREQUENCY vs TEMPERATURE CURVE



■ **DIMENSIONS:** (UNIT=mm)



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