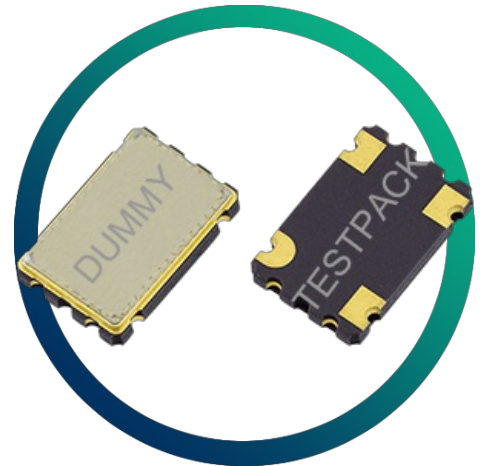


MCSOFHW

CMOS Oscillator -55+125°C Low Jitter

- Low jitter
- Military temperature range -55+125°C option
- Excellent shock & vibration resistance
- Enable / disable tristate option (>500kHz)
- Wide frequency range available



CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability*	
Any	
±100ppm	
±50ppm	T
Operating temperature range	
Any	
0 to +70°C	A
-40 to +85°C	B
-55 to +125°C	C
Terminations	
Any	
Gold flashed pads	
Ag/Cu/Zn plated J-leads	J

SPECIFICATIONS

Frequency range	20.0 ~ 225MHz
Supply voltage (V _{DD})	+2.5V (±5%)
Storage temperature range	-55 to +125 °C
Supply current	20~160MHz : 25mA
Driving ability	CMOS
Load	3pF min, 47pF max
Logic levels	'0' level = +0.4V max '1' level = V _{DD} -0.5V min
Start up time	1ms typ, 5ms max
Waveform symmetry	40:60 max @ 50%V _{DD}
Jitter RMS (1σ)	< 2ps (≤20.0MHz) < 10ps (>20.0MHz)
Rise / fall times	7ns max ≤20MHz 3ns max >20MHz
Shock resistance	5,000G, 0.3ms, ½ sine
Vibration resistance	20G rms 10.0 ~ 2,000Hz
Soldering condition	260 °C, 10 sec max
Enable / disable function	None (pad 1 NC)

PACKAGE DRAWING



HANDLING & STORAGE



Product is RoHS 2 compliant



[REACH Compliance Statement](#)



text and link to Conflict Minerals pdf statement



Text and link to Halogen Free pdf statement



Text and link to Ozone depletion statement pdf



Text and link to Ozone depletion statement pdf



Human Body Model (HBM) 1A (250V to < 500V)



Moisture Sensitivity Level (MSL): 1

OTHER INFORMATION

About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).
To take advantage of our highly praised service get in touch with us today.