



Features

- ▶ Military temperature range -55+125°C option
- ▶ Excellent shock & vibration resistance
- ▶ Enable / disable tristate option (> 500kHz)
- ▶ J-leads option

Enable / Disable Function

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

Specifications

MCSOV: 10.0kHz ~ 20.0MHz

MCSOHV: 20.0 ~ 160MHz

Parameters	Product		Option Codes
	MCSOV	MCSOHV	
Frequency range: 10.0kHz ~ 20.0MHz 20.0 ~ 160MHz	■	■	
Frequency stability*: ±100ppm ±50ppm tighter stabilities on request	■ □ □	■ □ □	T specify
Operating temperature range: 0 to +70°C -40 to +85°C -55 to +125°C	□ □ ■	□ □ ■	A B C
Operable temperature range: -55 to +125°C	■	■	
Storage temperature range: -65 to +125°C	■	■	
Supply voltage (V_{DD}): +3.3V (±10%)	■	■	
Supply current (max): 10mA 30mA	■	■	
Driving ability: CMOS	■	■	
Logic levels: '0' level = +0.4V max '1' level = 90%V _{DD} min	■ ■	■ ■	
Start up time: 5ms max	■	■	
Waveform symmetry: 40:60 max @ 50%V _{DD}	■	■	
Rise / fall times: 7ns max 3ns max	■	■	
Enable / disable function: None (pad 1 NC) Tristate* (control via pad 1) * not available under 500kHz	■ □	■ □	E
Terminations: Stand-offs J-leads (drawing on request)	■ □	■ □	J
Shock resistance: 5,000G, 0.3ms, ½ sine	■	■	
Vibration resistance: 10G rms 10.0 ~ 2,000Hz	■	■	
Soldering condition: 260°C, 10 sec max	■	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing over 10 years.

Ordering Information

Product name + option codes (if any) + frequency

eg: **MCSOV/BE 16.0MHz** ±100ppm -40 to +85°C Enable / disable

MCSOHV/TAJ 120MHz ±50ppm 0 to +70°C, J-leads

Option code X (eg MCSOV/X) denotes a custom specification.

- ◆ Available on T&R (1k pcs/reel) or trays (50pcs/tray).
- ◆ Refer to our website for T&R and soldering details.