



Features

- ▶ **Low jitter**
- ▶ **Military temperature range option**
- ▶ **Excellent shock & vibration resistance**
- ▶ **Enable / disable tristate option**

Enable / Disable Function

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

Specifications

Parameters	Product	Option Codes
	MCSOF	
Frequency range: 40.0 ~ 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}): +5.0V (±10%)	■	
Supply current (max): 50mA	■	
Driving ability: CMOS	■	
Logic levels: '0' level = +0.4V max '1' level = V _{DD} -0.5V min	■ ■	
Start up time: 5ms max	■	
Waveform symmetry: 40:60 max @ 50%V _{DD}	■	
Jitter: 1ps max	■	
Rise / fall times: 3ns max	■	
Enable / disable function: None (pad 1 NC) Tristate (control via pad 1)	■ □	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: **MCSOF/A 80.0MHz** ±100ppm 0 to +70°C

MCSOF/TBE 120MHz ±50ppm -40 to +85°C Enable / disable

Option code X (eg MCSOF/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.