



Frequency Counter

OFC2038

- 2 channels; frequency measurement up to 3 GHz.
- Built-in microprocessor and micro-SCM for smart and precise measurement.
- Compact, lightweight, easy to handle.

Model		OFC2038
Frequency Range		1 Hz ~ 3 GHz
Cycle Measurement		10 ns - 1 s
Count Capability		10 ⁸ - 1
Input Impedance		Channel A 1 mΩ//40 pF Channel B 50 Ω
Input Coupling Mode		AC
Waveform Adaptability		Sine, triangle, pulse
Dynamic Of Input Voltage	Channel A	30 mVrms ~ 250 Vp-p
	Channel B	30 mVrms ~ 1 Vrms
Frequency Measurement	Channel A	1 Hz ~ 10 MHz / 100 MHz
	Channel B	100 MHz ~ 1 GHz / 1.5 GHz
	Channel A Low Pass Filter	-3 dB bandwidth is about 100 kHz
	Channel A Attenuation	×1 or ×20
	Measurement Error	± time base error ± trigger error ± LSD $LSD = \frac{100ns}{Strobe\ Time} * \text{measured frequency (or measured period)}$
	Trig Error	For signal noise of 40 dB, trigger error ≤0.3%
	Strobe Time	10 ms, 100 ms, 1 s, 10 s
	Count Capability	0 ~ 99, 999, 999
	Crystal Vibrator Frequency	10 MHz
	Frequency Stability Of Crystal Vibrator	1×10 ⁻⁵ / d
	Ext Input Frequency	10 MHz
	Ext Frequency Input Amplitude	>1 Vp-p
	Display	8 digits high bright, 0.5-inch numeral tube, 3 units LED indicator, a strobe LED indicator and an external frequency mark LED indicator;
	Mechanic Character	Dimension
Weight		1.5 kg
Low pass filter and attenuator in pre-position circuit.		
Backwards count, fast and precise measurement.		