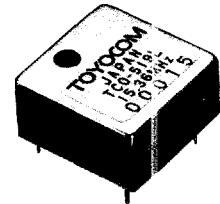
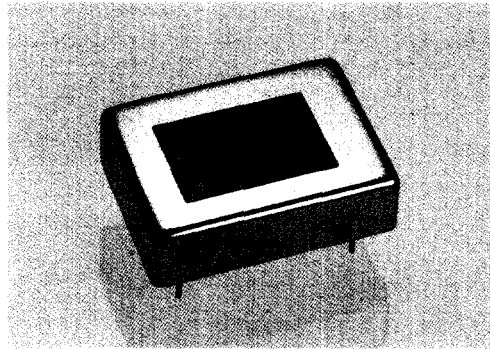


TCXO, VC-TCXO

TCO-512X, 519 series

Features

- Excellent frequency stability
- Hermetically sealed package
- Open collector output

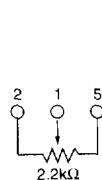
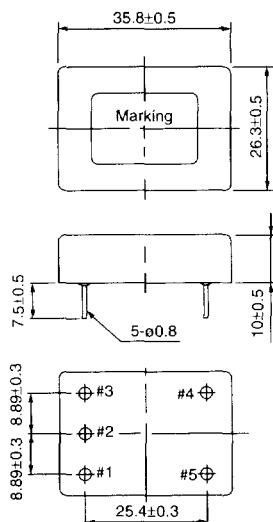


Specifications

Type	TCXO	VC-TCXO	TCXO
	TCO-512X	TCO-519A	TCO-519L
Standard frequency	6.4MHz, 10MHz, 13MHz, 16.384MHz	10MHz, 12.8MHz, 15.36MHz	
Supply voltage	+10V ±5%	+5V ±5%	
Current drain	10mA Max	2mA Max	
Output level	Open collector (Pull up resistor : 1.5kΩ)	1Vp-p Min (clipped sinewave, DC-cut) 20kΩ/5pF	
Stability vs Temperature	±1ppm / -10 to +60°C (referred to +25°C)	±2ppm/-30 to +85°C (referred to +25°C)	±1ppm/-20 to +70°C (referred to +25°C)
Stability vs Supply voltage	±0.4ppm / 10V ±5%	±0.2ppm/+5V ±5%	±0.2ppm/+5V ±5%
Aging	±1ppm/year	±1ppm/year	±1ppm/year
Frequency control range	—	±6ppm Min (positive slope)	—
Frequency control voltage	—	+2.5V ±2V	—
Frequency adjustment	±3ppm Min by external potentiometer (2.2kΩ)	±3ppm Min by internal trimmer	
Available frequency range	4 to 25MHz	10 to 24MHz	

Outline Drawing [mm]

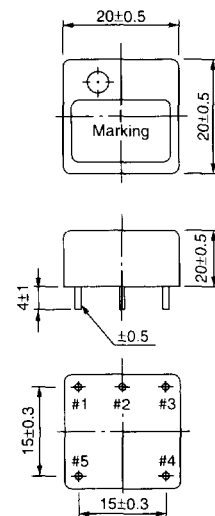
[TCO-512X]



Pin connections

1-2-5	Frequency adjustment
3	Vcc
4	Output
5	GND/case

[TCO-519A, 519L]

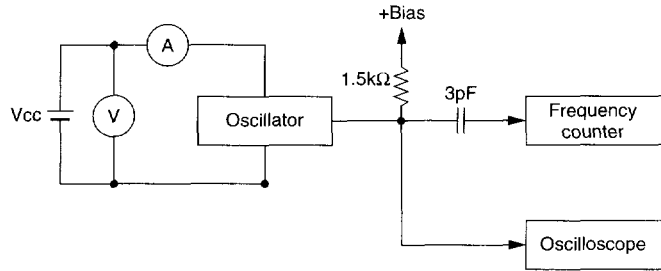


Pin connections

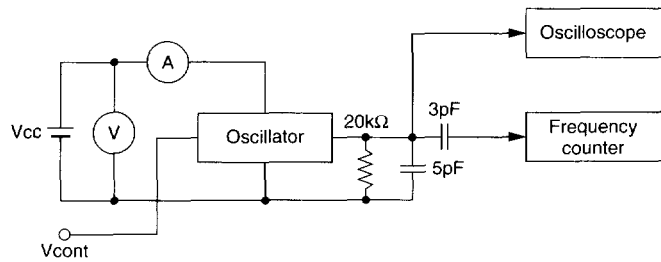
1	Vcc
2	Output
3	GND/case
4	Vcont or GND/case
5	GND/case

Test Circuit

TCO-512X



TCO-519A



TCO-519L

