

VC-TCXO

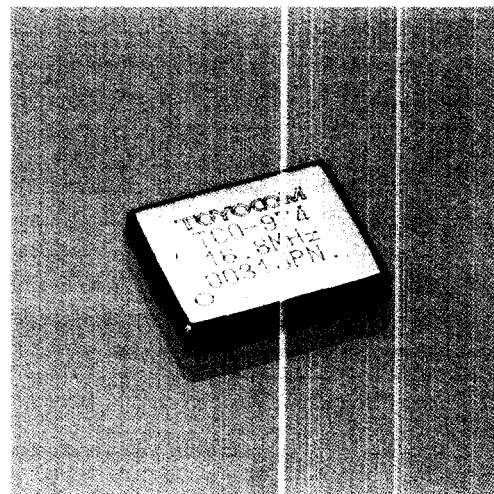
TCO-973, TCO-974 Series

Features

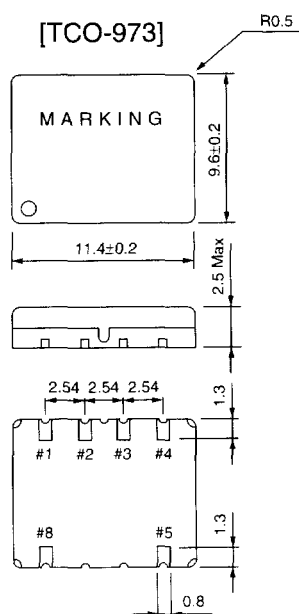
- Ultra miniature size (11.4 × 9.6 × 2.5mm height Max)
- Surface mountable
- Low SSB phase noise

Specifications

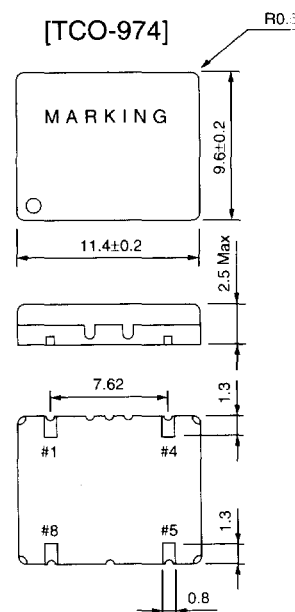
	VC-TCXO	
Type	TCO-973	TCO-974
Frequency	12.8MHz, 13MHz, 14.4MHz, 15.36MHz, 16.8MHz	
Supply voltage	+3V±5%	
Current drain	1.5~2mA	
Output level	0.8Vp-p Min (Load:10kΩ // 10pF)	
Stability vs Temperature	±2.5ppm Max / -30℃ ~+75℃	
Stability vs Supply voltage	±0.3ppm Max /+3V±5%	
Stability vs Load	±0.2ppm Max / (10kΩ ±1kΩ // 10pF± 1pF)	
Aging	1ppm Max / year	
Tuning mode	±9ppm Min /+1.5V±1V	
Number of pins	6	4



Outline Drawing [mm]



Pin connections	
1	Output
2, 5, 8	GND/case
3	Vcont
4	Vcc

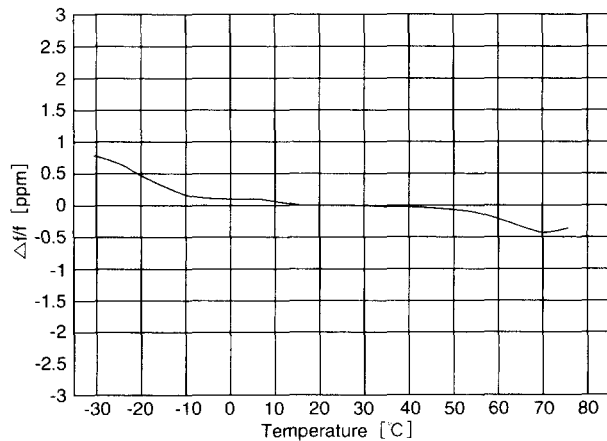


Pin connections	
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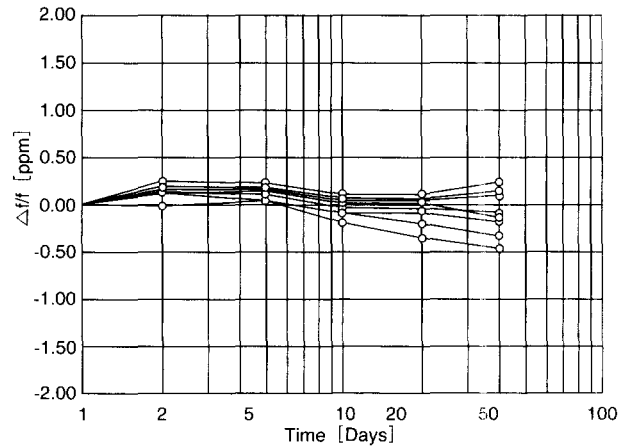
Electrical Data

TCO-973

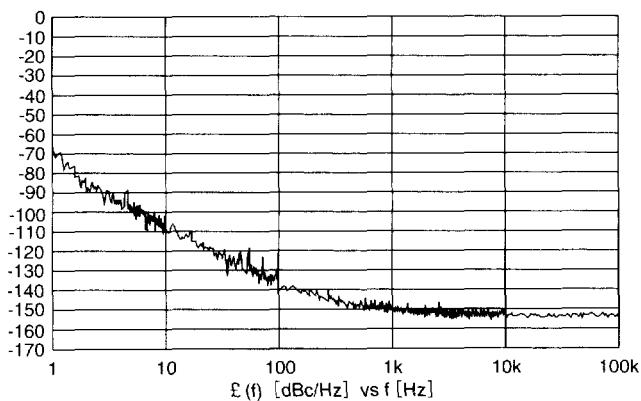
12.8MHz Frequency stability vs. temperature



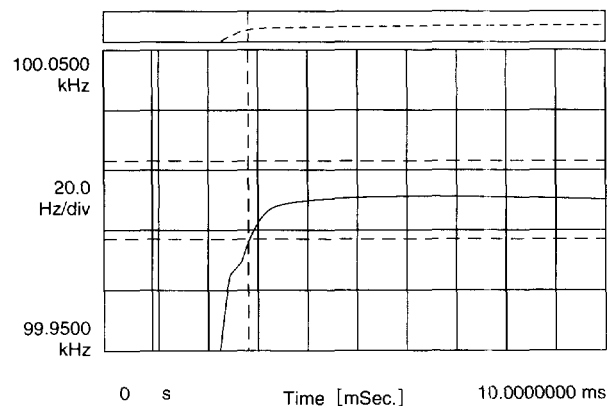
14.4MHz Accelerated aging characteristics



12.8MHz SSB phase noise



12.8MHz Rising time



Test Circuit

TCO-973, 974

