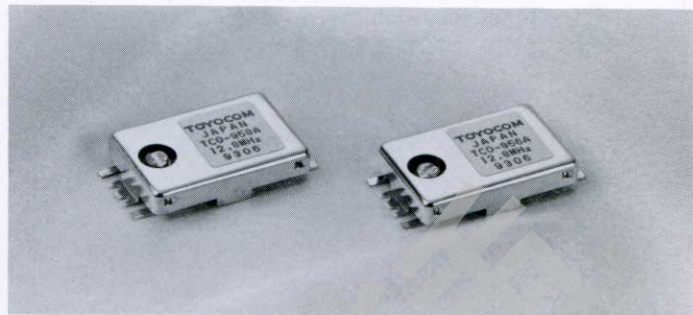


Applications

- Handheld portable radio
- Cellular mobile radio

Features

- High reliable miniaturized package 1cc
- Low power consumption
- Excellent frequency stability
- Surface mountable type (TCO-956A, 958A).



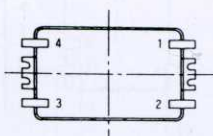
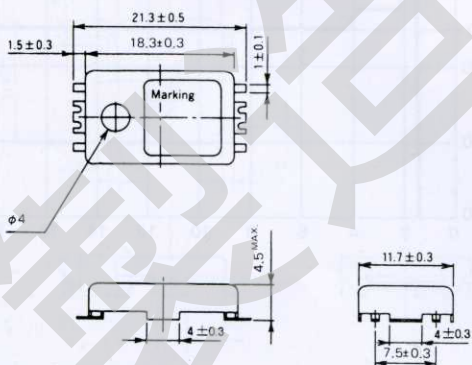
Specifications

Type	TCXO		VC-TCXO	
	TCO-956A	TCO-957A	TCO-958A	TCO-959A
Standard frequency	12.8 MHz, 13.0 MHz, 14.4 MHz, 15.36 MHz, 16.8 MHz, 19.44 MHz			
Frequency stability vs. Temperature vs. Supply voltage Aging	±2.5 ppm/−30 to +75°C (referred to 25°C) ±0.3 ppm/+5V ±5% ±1 ppm/year			
Output	1.0 Vp-p min. (clipped sinewave, DC-cut) 10 kΩ//10 pF			
Frequency adjustment	±3 ppm min. by internal trimmer			
Supply voltage	+5V ±5%			
Supply current	2 mA max.			
Frequency control range Frequency control voltage	—		±5 ppm min. +2.5V ±2V	
Frequency available range	12 to 20 MHz		12 to 20 MHz	
Test circuit	Fig-1		Fig-2	

Outline drawing

Size in mm

TCO-956A, 958A

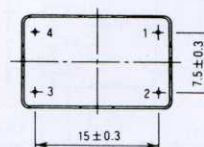
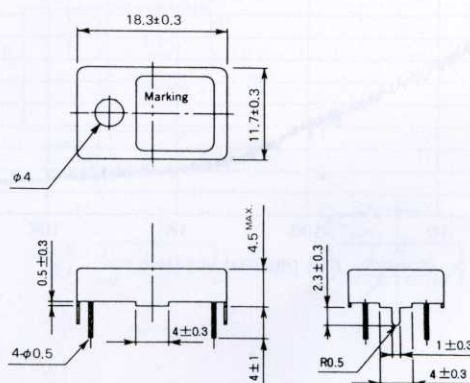


Pin connections

1	Common and case	
2	Output	
3	+VCC	
4	NC	Control voltage
	TCO-956A	TCO-958A

(Pin's number not stamped on unit)

TCO-957A, 959A



Pin connections

1	Common and case	
2	Output	
3	+VCC	
4	NC	Control voltage
	TCO-957A	TCO-959A