

AT-Cut Crystal - Square Wave - 5.0 Volts

- Frequency Range 1.25MHz to 100.0MHz
- 25.4 x 25.4 x 16.0mm 5 pin metal, solder-sealed package
- Supply Voltage 5.0 Volts
- AT-Cut Crystal
- Squarewave Output
- EFC (Voltage control) as standard



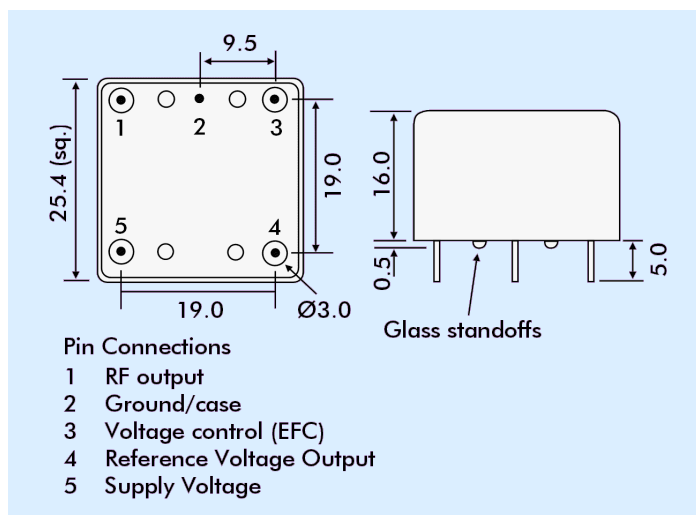
DESCRIPTION

OC11T5A series oven-controlled crystal oscillators are close tolerance OCXOs with good phase noise performance.

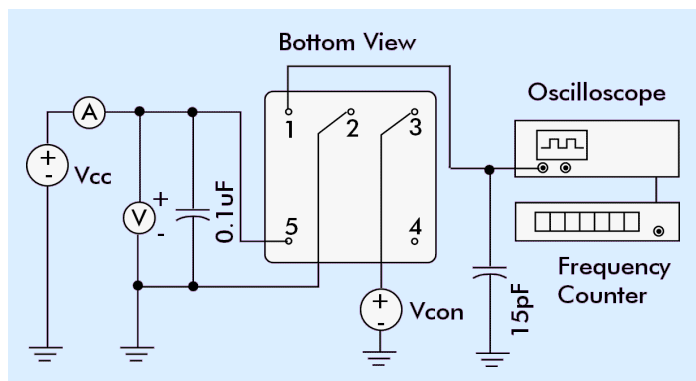
SPECIFICATION

Crystal Cut:	AT-cut
Output Waveform:	Square Wave
Supply Voltage:	+5.0 VDC $\pm 0.2V$
Frequency Range:	1.25MHz to 100.0MHz
Initial Calibration Tolerance:	$\pm 0.5\text{ppm max. (at } V_{\text{CON}} + 2.5V)$
Frequency Stability	
over 0° to +60°C:	$\pm 0.05\text{ppm}$
over -20° to +70°C:	$\pm 0.1\text{ppm}$
over -40° to +85°C:	$\pm 0.2\text{ppm}$
vs. Voltage Change:	$< \pm 20\text{ppb for } \pm 5\% \text{ change}$
vs. Ageing:	$\pm 5.0\text{ppb max per day}$ $\pm 0.5\text{ppm per first year}$ $\pm 3.0\text{ppm over 10 years}$
vs. Load Change:	$< \pm 20\text{ppb for } \pm 5\% \text{ change}$

OUTLINE & DIMENSIONS



TEST CIRCUIT



PART NUMBER FORMAT

Example: **OC11GT5A-10.000-0.1/-20+70**

OCXO Package: OC11
 RoHS Compliance
 G: RoHS Compliant
 Blank: Non-compliant
 T: Output Squarewave
 5: Supply Voltage 5.0Volts
 A: AT-Cut Crystal
 Nominal Frequency 10.0MHz
 Stability in $\pm\text{ppm}$
 Operating Temperature Range °C
 Lowest Temperature/Highest Temperature

PHASE NOISE (at 10MHz)

Offset	dBc/Hz
1Hz	-75
10Hz	-100
100Hz	-130
1kHz	-140
10kHz	-150