



Crystal Bridge to the Future

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## OCXO 9325D - VHF LOW NOISE CRYSTAL OSCILLATORS



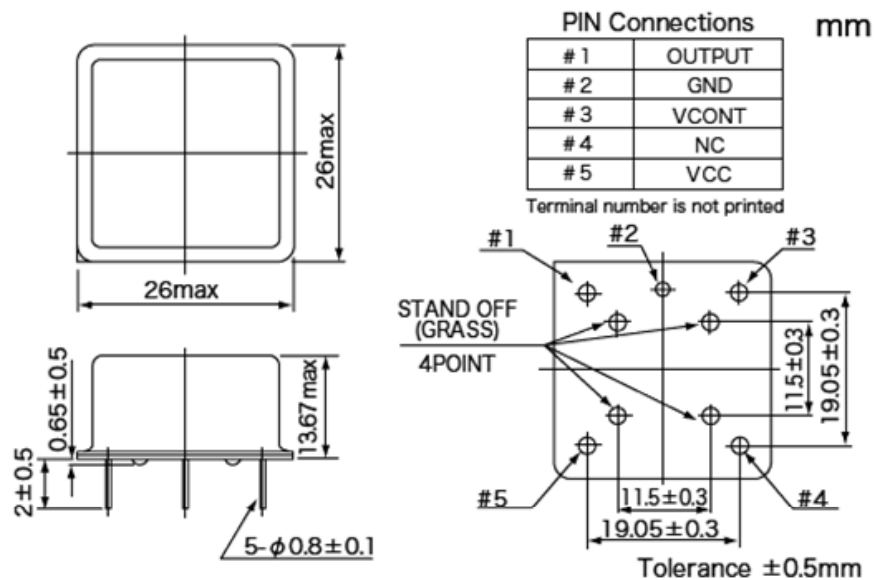
**RoHS Compliant**  
Directive 2002/95/EC

NDK OCXO 9325D is designed to meet the increasing demand for high performance reference oscillators applicable to microwave low noise frequency synthesis. It has excellent temperature stability performance with low phase noise and minimal harmonic response. Our OCXOs, using SC-cut Crystals, produce secure and stable C-mode oscillation.

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<b>Frequency</b>	Standard Frequencies : 100 MHz [ contact us for other frequencies. ]
<b>Tuning Range</b>	$\pm 3 \times 10^{-6}$
<b>Tuning Voltage</b>	0 to 10 V, positive slope
<b>Temperature Stability</b>	-20 ~ 70 °C: $\pm 50 \times 10^{-9}$
<b>Aging/year</b>	$\pm 0.5 \times 10^{-6}$ after 30 days
<b>Warm-up at 25°C 5 minutes after power on</b>	$\pm 50 \times 10^{-9}$ max
<b>Output Power</b>	3 dBm min, 50Ω
<b>Harmonics</b>	-60 dBc typical
<b>Phase noise</b>	100 Hz: -125 dBc/Hz 1 kHz: -150 dBc/Hz >10k Hz: -160 dBc/Hz
<b>Supply Voltage</b>	+12 V DC $\pm 5\%$
<b>Power Consumption at 25°C</b>	1.3W after 90 seconds, 3W during warm up
<b>Dimensions</b>	26 x 26 x 13.67 mm

### Outline Drawing



Note) Specifications described in this brochure are subject to change without notice for improvement.

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