

Model XO5081-067R ROHS Compliant OCXO

Aeroflex Wichita P/N: 91667 (for Ref. Only)

Electrical Specifications

Nominal Frequency (F₀): 100.0 MHz

Frequency Stability

Over Temperature: $\leq \pm 0.2\text{ppm}$

Aging per Year: $< \pm 1\text{ppm}$

Aging over 10-years: $< 10\text{ppm}$

Frequency Adjust

Method, External Voltage: 0V_{DC} to 10V_{DC}

Adjustment Range: Adequate for 10 year aging offset

Modulation Bandwidth: $> 1\text{kHz}$

Slope: Positive

Output (Sinewave)

Level: $> 7\text{dBm}$

Load: $50\Omega, \pm 10\%$

Oven Ready (Open Collector)

Low as oven heats up, 3ma sink maximum

Harmonics: $< -20\text{dBc}$

SSB Phase Noise (maximum)

-60dBc/Hz @ 1Hz offset

-90dBc/Hz @ 10Hz offset

-120dBc/Hz @ 100Hz offset

-145dBc/Hz @ 1kHz offset

-165dBc/Hz @ 10kHz offset

-165dBc/Hz @ 100kHz offset

-165dBc/Hz @ 1MHz offset

Warm Up Time @ 25°C

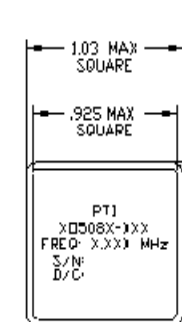
Within 0.1ppm of final frequency: $< 3.0\text{ min.}$

Power Supply

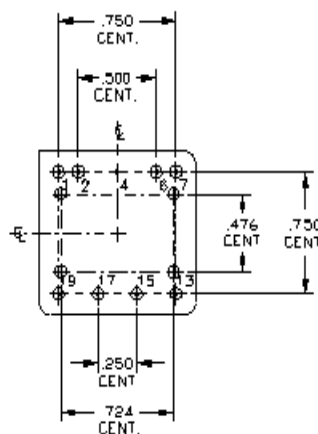
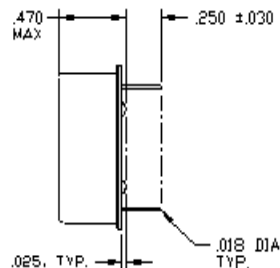
Voltage: $+12.0\text{V}_{\text{DC}} \pm 5\%$

Current: $< 300\text{mA}$

Operating Temperature Range: 0°C to +70°C



PIN NO'S. SHOWN FOR REFERENCE ONLY.



PIN ASSIGNMENTS

1	RF OUTPUT
4	CASE GROUND
7	V TUNE
17	OVEN READY
19	SUPPLY VOLTAGE
2,6,15,13	N/C

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS
.XX ± .01
.XXX ± .005

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