

**OAK Frequency Control Group®**

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**Oscillator Specification for Cisco Systems
TCXO p/n MC958X2-054W @ 48.000MHz**

Frequency:	48 MHz
Supply Voltage:	+5 VDC $\pm$ 5 %
Output:	ACMOS
Operating Temp Range:	-20°C to +70°C
Frequency Tolerance:	$\pm$ 5.5 PPM over 0°C to +50°C and 10 yrs of aging including perturbations
Micro Jumps:	$< \pm 2 \times 10^{-8}$
G sensitivity:	$\pm 2 \times 10^{-9}/g$
Voltage Tuning Range:	2.5V $\pm$ 1.5V
Frequency Adjustment:	± 10 ppm min.
Phase noise:	-45 dBc/Hz @ 1Hz offset -75 dBc/Hz @ 10Hz offset -110 dBc/Hz @ 100Hz offset -140 dBc/Hz @ 1kHz offset -150 dBc/Hz @ 10kHz offset -150 dBc/Hz @ 100Hz offset
Package:	4 pin DIP, gull-wing SMD

Pin Connections:

1- EFC

7- Case Ground

8- Output

4- Supply Voltage