



**HCMOS TCXO IN 14 PIN DIP HERMETICALLY SEALED PACKAGE - TC2116-10M000-A001B2**

**FEATURES**

- RoHS Compliant (Pb-Free)
- Frequency Stability:  $\pm 0.1$  ppm /  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$
- HCMOS/TTL Compatible, Low Phase Noise
- Hermetically Sealed Package, Industry de factor Standard Footprint

**SPECIFICATIONS**

<b>Frequency</b>	10.000 MHz
<b>Supply Voltage (Vcc)</b>	A = 5.0 VDC $\pm 5\%$
<b>Input Current</b>	30 mA Maximum
<b>Storage Temperature</b>	$-55^{\circ}\text{C}$ to $85^{\circ}\text{C}$
<b>Frequency Stability vs Temp. Temperature Range</b>	001 = $\pm 0.1$ ppm Ref to $25^{\circ}\text{C}$ B = $-40^{\circ}\text{C}$ to $85^{\circ}\text{C}$
<b>Frequency Stability vs Vcc</b>	$\pm 0.2$ ppm Maximum / $V_{cc} \pm 5\%$
<b>Frequency Stability vs Load</b>	$\pm 0.2$ ppm Maximum / $\pm 2$ pF
<b>Aging</b>	$\pm 1$ ppm Maximum per year @ $25^{\circ}\text{C}$
<b>Aging in 10 Years</b>	$\pm 3$ ppm Maximum @ $25^{\circ}\text{C}$
<b>Initial Tolerance</b>	$\pm 1$ ppm Maximum @ $25^{\circ}\text{C}$
<b>Phase Noise</b>	-140 dBc/Hz at 1KHz
<b>Output Load</b>	15 pF HCMOS Maximum
<b>Logic "1" / Logic "0" Level</b>	0.9Vcc Minimum / 0.1Vcc Maximum
<b>Rise/Fall Time (Tr/Tf)</b>	5 ns Maximum
<b>Duty Cycle</b>	2 = No tristate 55/45%

**OUTLINE DRAWING**

