

SMA Output

10 MHz

Case PN: 6UED6W6S1A1

Features:

- 10 MHz Frequency (Smallest OCXO Module)
- ± 25 ppb Stability over -40°C to $+85^{\circ}\text{C}$
- Short-term aging better than ± 2 ppb/day
- Low Power Consumption (350mW)
- Power Supply: +3.3 V
- Temperature: -40°C to 85°C
- SMA Female Connector (50 ohm system)

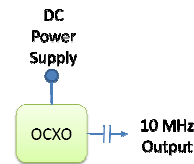
Applications:

- Stratum 3
- Small Cells
- Network Switches and Routers
- Instrument Time & Frequency References
- SyncE and IEEE 1588

Electrical Specifications:

Item	Parameter		Condition	Electrical Specification			
				MIN	TYP	MAX	UNITS
1	Nominal Frequency			10.000			MHz
2	Supply Voltage			3.135	3.30	3.465	V
3	Operating Temperature			-40		+85	$^{\circ}\text{C}$
4	Storage Temperature			-55		+125	$^{\circ}\text{C}$
5	Input Power (warm-up)				1000		mW
6	Power Consumption (Steady-State)		@ 25°C still air			400	mW
7	Frequency Tolerance					0.5	ppm
8	Frequency Stability	vs. Temperature	-40°C to 85°C			± 25	Ppb
		vs. Load	Standard output load $\pm 5\text{pF}@15\text{pF}$ load		± 10		ppb
		vs. Supply Voltage	Standard Vcc $\pm 5\%$		± 10		ppb
9	Aging Tolerance		First year			± 1	ppm
			20 years			± 3	ppm
10	Holdover Stability		24 hours		$< \pm 4$		ppb
11	Warm-up Time				< 3		minute
12	Root Allan Variance		@ 25°C , $\tau=1.0\text{s}$		$< 1 \times 10^{-10}$		
13	Output Type			LVCMOS			
14	Phase Noise @10MHz Carrier	@ 10 Hz offset			-98		dBc/Hz
		@ 100 Hz offset			-123		dBc/Hz
		@ 1 kHz offset			-142		dBc/Hz
		@ 10 kHz offset			-149		dBc/Hz
		@ 100 kHz offset			-150		dBc/Hz

Electrical Schematic



Outline Drawing (inch)

