

SMA Output

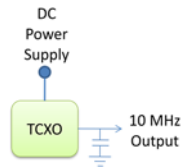
20 MHz

Case PN: 6UDD2W6H41SMAA1

Features:

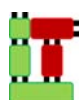
- 10 MHz Frequency
- Temperature Stability: ± 0.28 ppm (Stratum 3)
- Output: MOS
- Phase Noise: -155 dBc/Hz @ 10KHz offset
- Power Supply: +3.3 V $\pm 5\%$
- Temperature: -40 °C to 85 °C
- Output Level: Hi: >90% Vcc, Lo: <10% Vcc
- SMA Female Connector (50 ohm system)

Electrical Schematic



Electrical Specifications:

Item	Parameter	Condition	Electrical Specification			
			MIN	TYP	MAX	UNITS
1	Nominal Frequency		20.000			MHz
2	Operating Temperature		-40		+85	°C
3	Storage Temperature		-55		+155	°C
4	Supply Voltage		3.14	3.30	3.46	V
5	Current Drain				3	mA
6	Output Level		CMOS			
7	Frequency Tolerance				1.0	ppm
8	Frequency Stability	vs. Temperature	-40 °C to 85 °C		± 0.28	ppm
		vs. Load	Standard output load $\pm 5\%$		± 0.1	ppm
		vs. Supply Voltage	Standard Vcc $\pm 5\%$		± 0.1	ppm
9	Aging Tolerance	20 years			± 4.6	ppm
10	Holdover Stability	24 hours			± 0.32	ppm
11	Phase Noise	@ 10 Hz offset		-100		dBc/Hz
12		@ 100 Hz offset		-127		dBc/Hz
13		@ 1 kHz offset		-147		dBc/Hz
14		@ 10 kHz offset		-155		dBc/Hz
15		@ 100 kHz offset		-158		dBc/Hz
16	RMS Jitter	12KHz-5MHz			0.5	pS



Outline Drawing (inch)

