TCXO3305
TCXO-20.000MHz

Specifications

	Parameter	Conditions	Value			Unit
			Minimum	Typical	Maximum	
General						
	Nominal Frequency			20		MHz
	Frequency Setting	@ 25°C ± 5°C	- 0.1		0.1	ppm
	Supply Voltage (Vdd)	5 Vdc ± 5%	4.75	5	5.25	Vdc
	Supply Current				30	mA
Output Characteristics						
	Output Type	Sine wave				
	Output Level	50 Ω load	3	5	7	dBm
	Load	50 Ω ± 5%	47.25	50	52.5	Ω
	Harmonics				- 25	dBc
	Spurious	from 100 MHz out			- 70	dBc
	Spurious	from 100 MHz in			- 105	dBc
Frequency Stability						
	vs Temperature	- 30°C to + 55°C Referenced to 25°C frequency	- 0.45		0.45	ppm
	vs Supply Voltage	Freq. Change with ± 5% supply	- 0.3		0.3	ppm
	vs Load	Freq. Change with ± 5% load	- 0.3		0.3	ppm
	vs Aging	per day	- 0.01		0.01	ppm
Phase Noise	**Offset**	Tested @ 25°C, Static				
	100 Hz			- 115		dBc/Hz
	1 kHz			- 145		dBc/Hz
	10 kHz			- 155		dBc/Hz
Environmental						
	Storage Temperature		-55		85	°C
Mechanical						
	See Outline Drawing					

Physical Dimensions and Pin Connections

PIN NO.	PIN FUNCTION
1	VOLTAGE CONTROL
7	RF & CASE GROUND
8	OUTPUT
14	+ VDC