

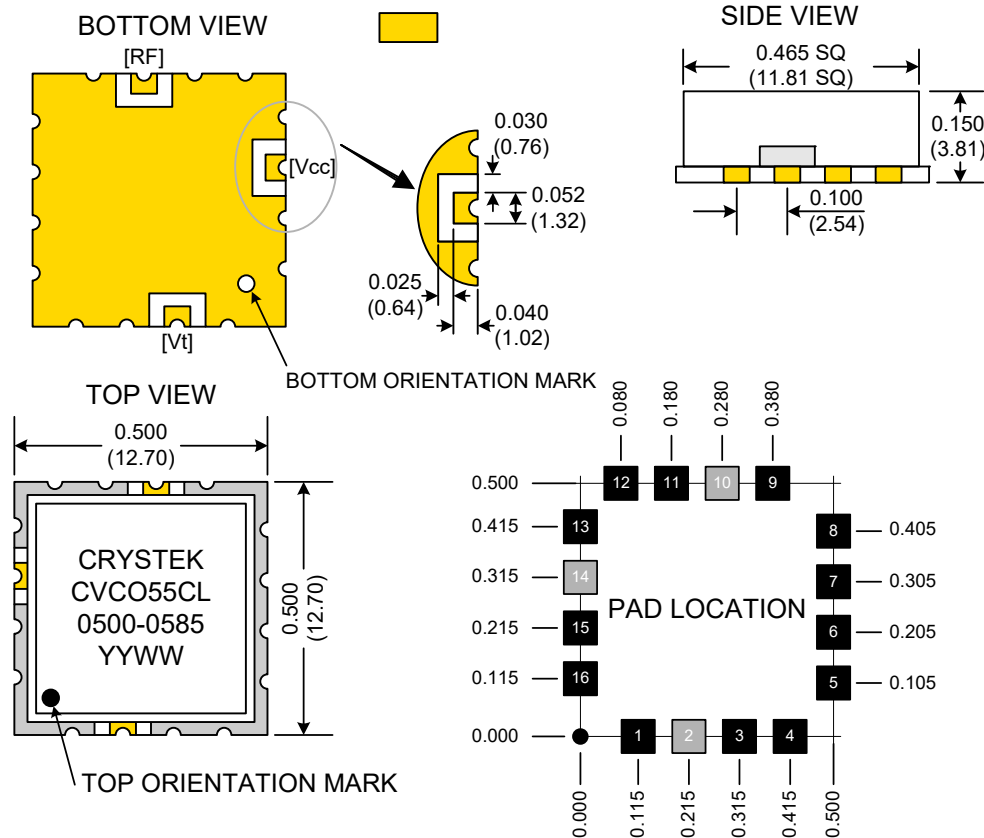


CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO

CVCO55CL-0500-0585

PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			500	MHz
Upper Frequency:	585			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		15		mA
Harmonic Suppression: (2 nd Harmonic)		-10		dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			3.0	MHz pk-pk
Tuning Sensitivity:		25		MHz/V
Phase Noise @ 10kHz offset:			-97	dBc/Hz
Phase Noise @ 100kHz offset:			-118	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



Product Control:

Crystek Part Number:	CVCO55CL-0500-0585	Release Date:	04-Nov-2019
Revision Level:	C	Responsible:	C. Vales



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