

#### Dynamic Engineers Inc.

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## **Features and Benefits**

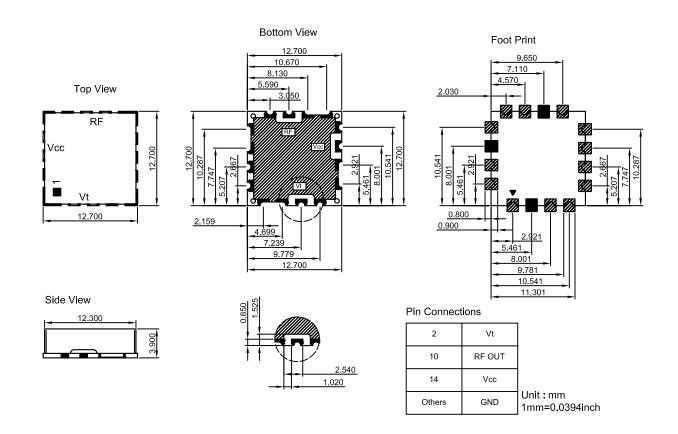
Low Phase Noise Linear tuning characteristics Low pushing / Low pulling Aqueous washable

### **Typical Applications**

SATCOM Radio Point-to-Point Broadcast

## **Mechanical Drawing & Pin Connections**

#### Drawing No:MD140084-1



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# **Electrical Characteristics**

Parameter	Condition	Sym	Value			1 In it
			Min.	Тур.	Max.	Unit
Operating Frequency Range			2100		2220	MHz
Output Power			3.0	5.0		dBm
Output Impedance				50		Ω
Phase Noise	@10kHz offset			-97	-92	dBc/Hz
Tuning Voltage		Vt	0.5		4.5	Vdc
Tuning Voltage Sensitivity		Kv		45 – 50		MHz/V
2 <sup>nd</sup> Harmonic Suppression				-22	-15	dBc
Power Supply	Voltage	Vcc		5		Vdc
	Current			24	30	mA
Pushing Figure				2		MHz/V
Pulling Figure	(10dB Return Loss, all phases)			2.5		MHz
Input Capacitance				33		pF
Operating Temperature Range			-30		+80	°C