



## Features and Benefits

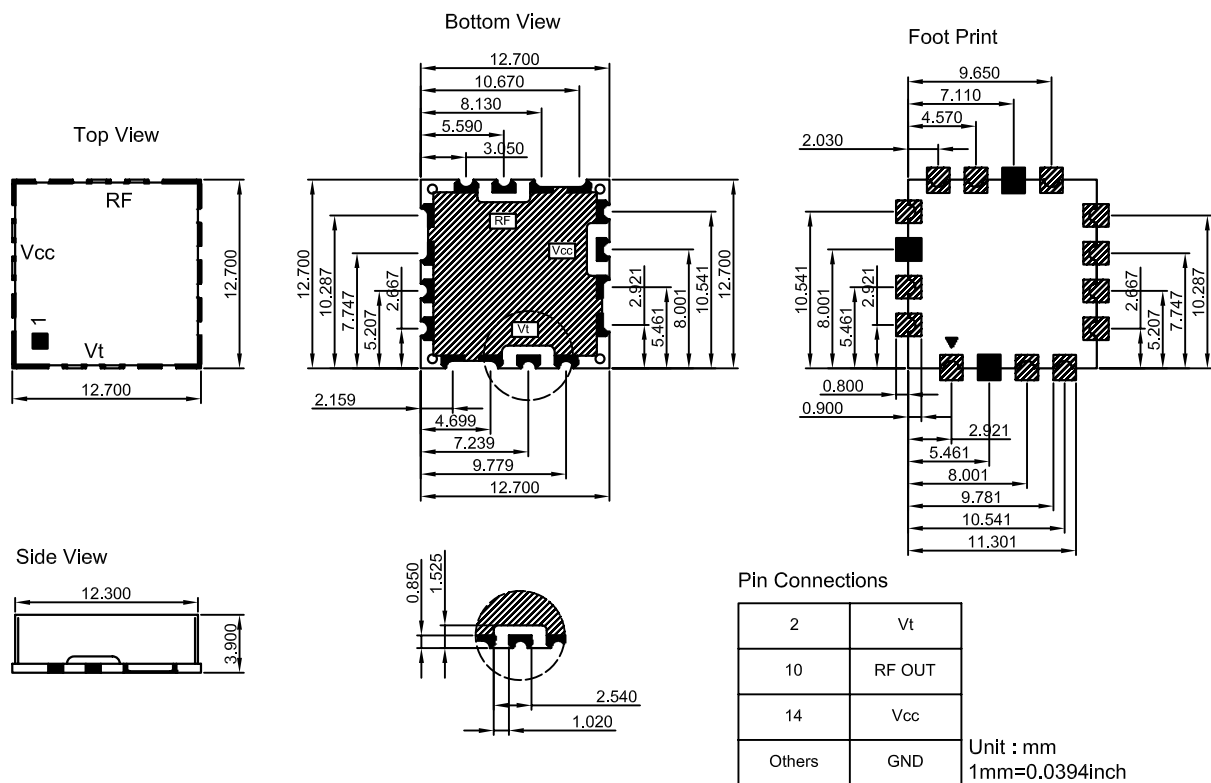
Low Phase Noise  
Linear tuning characteristics  
Low pushing / Low pulling  
Aqueous washable

## Typical Applications

SATCOM  
Radio  
Point-to-Point  
Broadcast

## Mechanical Drawing & Pin Connections

Drawing No:MD140084-1





## Electrical Characteristics

| Parameter                            | Condition                      | Sym | Value |         |      | Unit      |
|--------------------------------------|--------------------------------|-----|-------|---------|------|-----------|
|                                      |                                |     | Min.  | Typ.    | Max. |           |
| Operating Frequency Range            |                                |     | 2100  |         | 2220 | MHz       |
| Output Power                         |                                |     | 3.0   | 5.0     |      | dBm       |
| Output Impedance                     |                                |     |       | 50      |      | $\Omega$  |
| 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<br>Current             | Vcc |       | 5<br>24 | 30   | Vdc<br>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        |