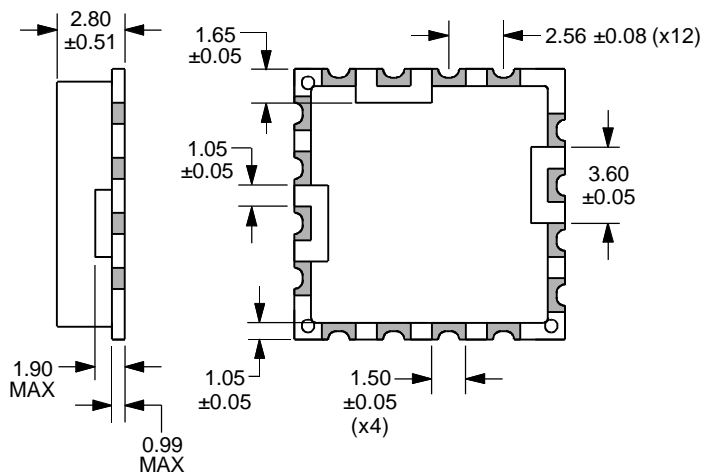
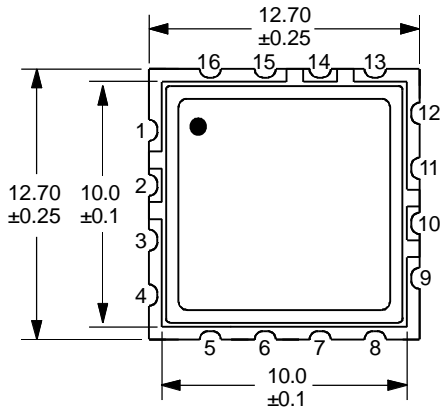


## STANDARD SPECIFICATIONS

Parameter	Condition	Minimum	Typical	Maximum
Center Frequency (MHz):	-	-	729.0	-
Frequency Range (MHz):	Vcc=3.0Vdc, Vt=0.5Vdc	-	-	719.0
	Vcc=3.0Vdc, Vt=2.5Vdc	739.0	-	-
Tuning Voltage Range (Vdc):	-	0.5	1.4	2.5
Tuning Sensitivity (MHz/V):	Vt=0.5Vdc to 2.5Vdc	10.0	12.0	-
Tuning Slope:	-	-	Positive	-
Supply Voltage (Vdc):	-	2.835	3.000	3.165
Input Current (mA):	-	-	-	20.0
Output Level (dBm):	-	-2.0	0.0	2.0
Pushing (kHz):	Vcc=3.0Vdc ±0.15Vdc	-1500.0	-	1500.0
Harmonics (dBc):	Vcc=3.0Vdc	-	-	-15.0
Phase Noise (dBc/Hz):	at 10kHz Offset, Vcc=3.0Vdc, Vt=1.4Vdc	-	-	-100.0
Output Load Impedance (Ohms):	-	-	50.0	-
Operating Temperature Range (°C):	-	-30	25	75
Storage Temperature Range (°C):	-	-40	25	85

**Comments:** Unless otherwise specified, all of the above specifications are under the following conditions:  
 Operating Temperature = -30°C to +75°C, Vcc = 3.00Vdc ±0.05Vdc, Vt = 1.4Vdc, Output Load = 50 Ohms

## MECHANICAL DIMENSIONS



Pin	Function
1	Ground
2	Vt
3-9	Ground
10	RF Out
11-13	Ground
14	Vcc
15-16	Ground

ALL DIMENSIONS  
IN MILLIMETERS

### MARKING GUIDE

(Line #1) **AVAR0046**

(Line #2) **XX Y ZZ**

Week of the Year  
 Last Digit of the Year  
 Amplitronix Manufacturing Code



**Part Number: AVAR0046**

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