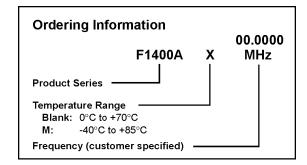
F1400A Series 9x14 mm FR-4, 5.0 Volt, Sinewave, Clock Oscillator

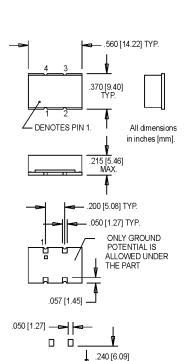




• Former Champion

Product





Pin Connections

SUGGESTED SOLDER PAD LAYOUT

PIN	FUNCTION				
1	N/C				
2	Ground & Case Ground				
3	Output				
4	+Vdd				

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition
Electrical Specifications	Frequency Range	F	70		210	MHz	
	Frequency Stability	∆F/F					
	Overall		Inclusive of calibration, temperature Voltage, load, and aging				
	-10°C to +70°C				±25	ppm	
	-40°C to +85°C				±35		
	Operating Temperature	TA	-40		+85	°C	
	Storage Temperature	Ts	-40		+85	°C	
	Input Voltage	Vdd	4.75	5.0	5.25	V	
	Input Current	ldd			40	mA	
	Output Signal	Sinewave					
	Load				50	Ω	
	Output Power		0	3	6	dBm	
	Harmonics				-20	dBc	
	Sub-Harmonics & Spurious Modes				-70	dBc	
	Start up Time				10	ms	
	Phase Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	dBc/Hz
	@ 155.520 Mhz	-65	-95	-125	-145	-150	
Environmental	Temperature Cycle	MIL-STD-883, Method 1010, Condition B				-55°C to +125°C; Air-toAir; 100 cycles; 10 min. dwell	
	Mechanical Shock	MIL-STD-883, Method 2002, Condition B				1500 g's	
	Vibration	MIL-STD-883, Method 2007, Condition B				20-2000 Hz; 0.06 inch; 15 g's; 3 planes	
	Humidity Steady State	MIL-STD-202, Method 103				40°C; 90%-95% R.H.; 56 days	
	Thermal Shock	MIL-STD-883, Method 1011.7, Cond. B				100°C to 0°C; Water-to-Water; 15 cycles	
Ĕ	Electrostatic Discharge	MIL-STD-883, Method 3015, Class II				2 KV to 4 KV Threshold	
Ĭ.	Solderability	MIL-STD-883, Method 2022.2				Solder dip; Meniscograph Criteria	
l E	Hermeticity	MIL-STD-883, Method 1014.8, Cond. A1				Mass spectro. 2 x 10-8 atoms. CC/sec He	
-	Resistance to Soldering	See "Figure 2" on page 147					
	Lead Integrity	MIL-STD-883, Mtd. 2004.5, Cond. A,B1				Lead tension & bend stress	
	Marking Permanence	MIL-STD-883, Method 2015.8				Resistance to solvents	
	Life Test	MIL-STD-883, Method 1005.6				125°C, powered, 1000 hours minimum	

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