

Typical Applications

*PCS Base Stations
Cellular Base Stations
Synthesizers
Test Equipment
Digital Switching*

Features

*4-Pin DIP
Low Power Consumption
Fast Warm-up
TCXO Replacement*



Frequency range

10 MHz – 30 MHz

Standard frequencies

10MHz

Frequency stabilities

Parameter	Code	Frequency stability	Operating temp range
vs. operating temperature range	B157	± 150 ppb	0....50°C
	C227	± 220 ppb	0.....70°C
	D257	± 250 ppb	-20....+70°C
Parameter	Value		Condition
vs. aging /1 Year	< ± 0.5 ppm		

Frequency tuning

Parameter	Value	Condition
Electrical frequency control (EFC): Absolute pulling range (APR) Voltage range Pulling slope	> ± 5 ppm min + 0.5 V to + 4.5 V Positive	

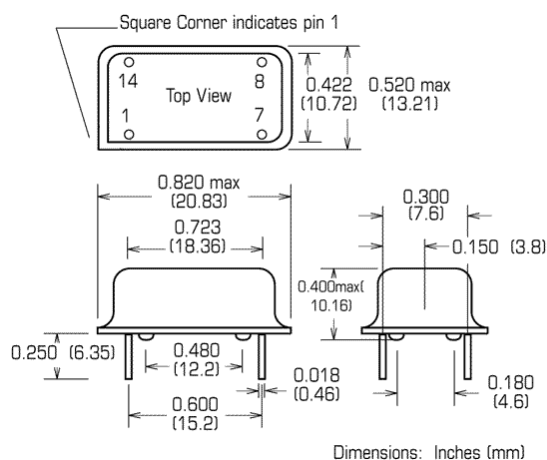
RF output

Parameter	Value	Condition
Duty cycle	45 to 55 %	

Supply Voltage

Parameter	Value	Condition
Supply voltage (Vs) Current/power consumption steady state Curr./power consumption during warm up	+ 5 V $\pm$ 5 % < 0.5 mA/W < 2.0 mA/W	@ 25°C

Enclosure



Pin Connections

Pin	1	EFC
Pin	7	GND
Pin	8	RF Output
Pin	14	Supply Voltage

Additional Parameters

Parameter	Value	Condition
Phase Noise	<- 65 dBc	1Hz Note 1
	<-95 dBc	10Hz
	<-120 dBc	100Hz
	<-140dBc	1kHz
	<-145 dBc	10kHz
Warm-up time	< 2min	@ 25°C to final frequency within ± 0.1ppm
Processing	Tech_Note_1	
Packaging	Tech_Note_2	

Notes

- Typical values @ 10 MHz
Unless otherwise stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C)