

APPLICATIONS

SONET, SDH, ATM
Multiplexing
Digital Switching

FEATURES

High Frequency
Low Jitter
Ideal for Phase Locking
ECL and PECL Options
Complementary Output
Miniature Package

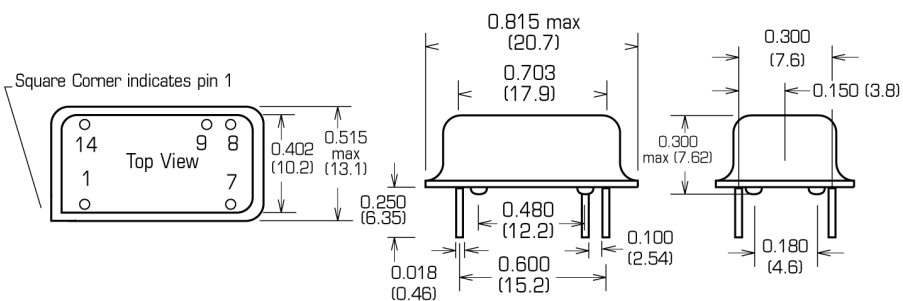
SPECIFICATIONS

Supply Voltage:	- 5.2 Vdc ± 5% (ECL) +5 Vdc ± 5% (PECL)	113 – 821 MHz
Supply Current:	< 110 mA	
Initial Accuracy:	±25ppm max. @ nominal control voltage	
Aging:	± 15 ppm max. over 20 years	
Jitter:	< 10 psec rms	
Output:	ECL/PECL Complementary Output	
Spurious Outputs:		
Non-Harmonic:	-60 dBc max.	
Sub-Harmonic:	-30 dBc max.	
Operating Temperature Range:	0°C to +70°C or -40°C to +85°C	
Storage Temperature Range:	-55°C to +125°C	
Control Voltage Characteristics		
Voltage Range:	0 to -5 V (ECL) 0 to 5 V (PECL)	
Linearity:	10%	
Slope:	Positive	
Tuning Range:	± 70 ppm min., sufficient to tune to center frequency for all conditions	

PHASE NOISE¹

10 Hz Offset	- 30 dBc/Hz
100	- 60
1K	- 70
10K	- 70
100K	- 70

¹ Typical Values at 155.52 MHz.



Dimensions: Inches (mm)

OUTPUT/PIN CONNECTIONS

ECL	PECL
1 – Voltage Control	1 – Voltage Control
7 – Supply Voltage (-5.2V)	7 – GND
8 – RF Output	8 – RF Output
9 – Complementary RF Output	9 – Complementary RF Output
14 – GND	14 – Supply Voltage (+5.0V)

Standard Frequencies: 155.52 and 622.08 MHz