

Typical Applications

PCS Base Stations
Cellular Base Stations
Test Equipment
Digital Switching
Cellular Telephony

Features

Small Package
High Stability
Low Phase Noise
Square Wave Output

Frequency Range

2 MHz – 25 MHz

Parameters

		Frequency Range [MHz]			
		2 to < 4	4 to < 8	8 to < 12	12 to 25
Rise and Fall Times:		20 nsec	15 nsec	15 nsec	10 nsec
Aging Per Year:		<± 1.0 ppm	<± 1.0 ppm	<± 1.0 ppm	<± 1.5 ppm
Operating Temperature Range	Frequency Stability (ppm)	Model Numbers			
0....50°C	± 0.5 ppm	544AA	544BA	544CA	544DA
	± 1.0 ppm	544AB	544BB	544CB	544DB
	± 2.0 ppm	544AD	544BD	544CD	544DD
0.....70°C	± 1.0 ppm	544AE	544BE	544CE	544DE
	± 2.0 ppm	544AF	544BF	544CF	544DF
	± 3.0 ppm	544AG	544BG	544CG	544DG
-20....+70°C	± 1.0 ppm	544AJ	544BJ	544CJ	544DJ
	± 2.0 ppm	544AK	544BK	544CK	544DK
	± 3.0 ppm	544AL	544BL	544CL	544DL
-30....+70°C	± 1.0 ppm	544AN	544BN	544CN	544DN
	± 2.0 ppm	544AO	544BO	544CO	544DO
	± 3.0 ppm	544AP	544BP	544CP	544DP

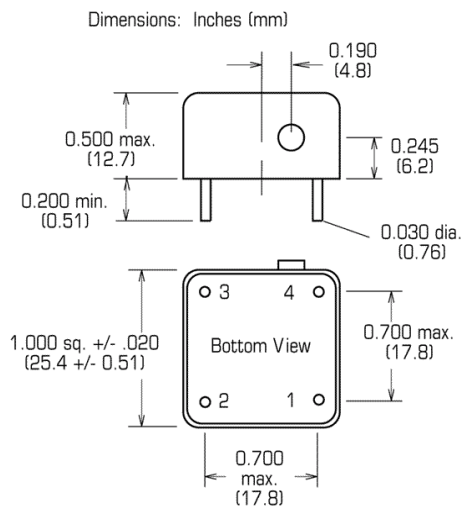
Additional Parameters

Supply Voltage: +5 Vdc ± 5%
Current: 15 mA max.
Load: 2 TTL or 10 HCMOS
Aging: ± 1 to ± 1.5 ppm/year
Mechanical Frequency: ± 5 ppm min.
Control:
Duty Cycle: 40/60%

Typical Phase Noise @ 10 MHz

1Hz Offset - 65 dBc / Hz
10Hz Offset -95 dBc / Hz
100Hz Offset -125 dBc / Hz
1kHz Offset -140dBc / Hz
10kHz Offset -145dBc / Hz

Enclosure



PIN CONNECTIONS

1 – RF Output
2 – Supply Voltage
3 – GND
4 – GND