

APPLICATIONS

PCS Base Stations
Cellular Base Stations
Digital Switching
Bench Reference
Test Equipment

FEATURES

Super High Stability
Very Low Aging
Fast Warm-Up
SC-Cut Crystal

Model	Output	Daily ¹ Aging	Noise ¹ (See below)	Supply Voltage	Temperature Range with Stability			Frequency Control	Frequency
					(°C)	Good	Best		
4834	B (dBm Sine) ¹	S (Standard)	S Standard	12 (12 Volts)	B (0 to +50)	59 (±5 x 10 ⁻⁹)	39 (±3 x 10 ⁻⁹)	R = +8V	4 - 10 MHz
	H (HCMOS) ²	<±5 x 10 ⁻¹⁰ after 72 hrs.			C (0 to +70)	79 (±7 x 10 ⁻⁹)	49 (±4 x 10 ⁻⁹)	N = N/C	
					D (-20 to +70)	18 (±1 x 10 ⁻⁸)	59 (±5 x 10 ⁻⁹)		
					H (-55 to +75)	38 (±3 x 10 ⁻⁸)	18 (±1 x 10 ⁻⁸)		

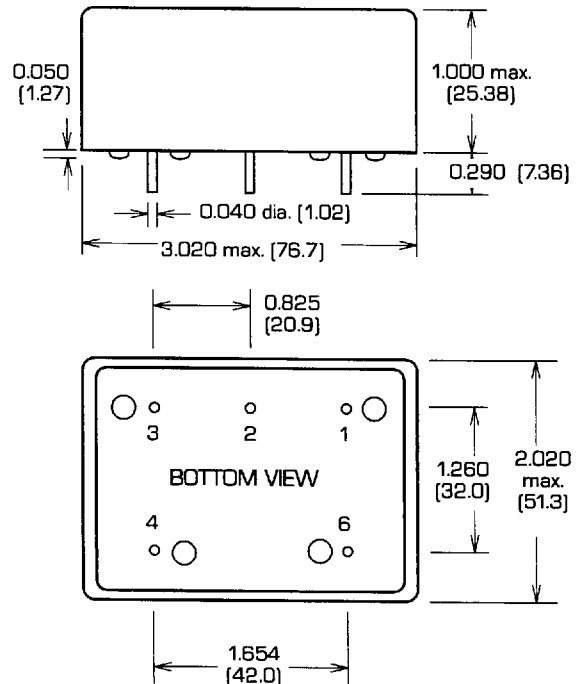
¹ Typical Values at 5 MHz. ² HCMOS can drive TTL, ACMOS, HCMOS and CMOS.

ADDITIONAL PARAMETERS

Yearly Aging³: ± 0.030 ppm max
Supply Voltage: +12 V ± 5%
Power Consumption: 1.5 W @ 25°C steady state
Warm-up Power: 10 W
Warm-up Time: To within ± 0.01 ppm of final frequency in 5 min. @ 25°C

Electrical Frequency Control
Deviation: ± 0.4 ppm Typ., (sufficient for 15 yrs.)
Voltage Range: 0 to 8V
Slope: Negative

Dimensions: Inches (mm)



SINEWAVE OPTIONS

Harmonics: -30 dBc
Load: 50 ohms
Output Level: +8 dBm

³ Low aging option available.
Contact factory for details.

PHASE NOISE

1 Hz Offset: - 80 dBc/Hz
10: - 120
100: - 140
1K: - 150
10K: - 155

PIN CONNECTIONS

1 - GND/Case GND
2 - EFC
3 - Reference Voltage Output (+8V) or N/C
4 - Supply Voltage
5 - N/C (Optional)
6 - RF Output