

SPECIFICATIONS

Frequency	Range:	0.100 000 MHz to 309.999 999 MHz	
	Resolution:	1 Hz	
	Accuracy:	same as frequency standard	
	Control:	manual by 10-position dial; remote by TTL-level parallel entry BCD or GPIB (optional)	
Switching Time		(to within 0.1 radian at new frequency)	
	100 MHz - 10 MHz digit:	20 μ seconds	
	1 MHz digit:	5 μ seconds	
	100 KHz - 1 Hz digit:	< 1 μ second transient, 2 μ second delay, phase-continuous	
Output	Level:	+3 to +13 dBm (1V max, 50 Ω), metered in dBm and volts (rms)	
	Flatness:	\pm 0.5 dB	
	Impedence:	50 Ω	
	Control:	manual by front panel control; remote by analog voltage	
Spurious Outputs		(at full power output, + 13 dBm)	
		Type 1	Type 2
	Discrete:	-65 dBc	-60 dBc
	Harmonics:	-30 dBc	-30 dBc
	Phase Noise:	-68 dBc	-63 dBc
		(0.5 Hz to 15 KHz) including the effects of internal standard	
	£ (1Hz):	100 Hz/ -105 dBc, 1 KHz/ -115 dBc, 10 KHz/-123 dBc, 100 KHz/ -127 dBc	
	Noise Floor:	-135 dBc/Hz	
	Optional Phase Rotation:	0°, 90°, 180°, 270° in 90° 0-360° in .225° steps	
		steps	
Frequency Standard	Internal:	OCXO 3x10 ⁻⁹ /day	or TCXO 1x10 ⁻⁸ /day
		\pm 1x10 ⁻⁸ /0-50° C 1x10 ⁻⁶ /year	\pm 1x10 ⁻⁶ /0-50° C 2x10 ⁻⁶ /year
	External Drive:	10 MHz, 0.4 Vrms into 50 Ω ; 5 MHz, 0.5 Vrms into 50 Ω	
	Aux. Output:	10.000 MHz, 0.4 Vrms into 50 Ω	
		(Note: internal or external standard required for operation)	
General	Operating Ambient:	0-55° C, 95% R.H.	
	Power:	105 - 125V, 50 - 400 Hz, 40W (100, 220, 240V optional)	
	Dimensions:	19 x 3.5 x 17.5 inches (relay rack or bench cabinet)	
	Weight:	20 lbs.	
Pricing (USA domestic)		\$5,875 (Type 1) or \$5,300 (Type 2) plus any other options	

