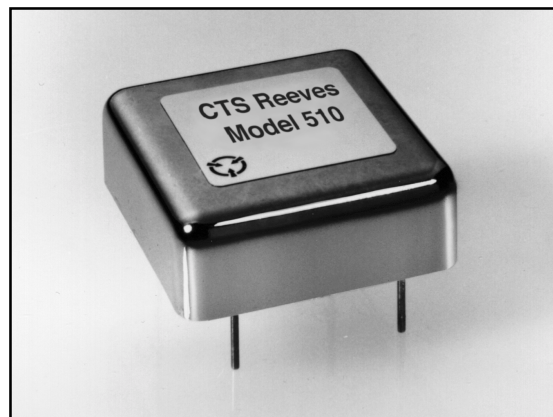


The drawing shows the mechanical specifications of the RF module. The top view is a square with a side length of 38.862 mm (1.530 inches) maximum. It features four mounting holes: two labeled 'GND' and two labeled 'RF OUT' and 'B+'. The distance between the centers of the holes is 22.86 mm (.900 inches). The distance from the center of the 'RF OUT' hole to the right edge is 12.7 mm (.500 inches). The distance from the center of the 'B+' hole to the bottom edge is 12.7 mm (.500 inches). The distance from the center of the 'RF OUT' hole to the bottom edge is 25.4 mm (1.000 inches). The distance from the center of the 'B+' hole to the right edge is 25.4 mm (1.000 inches). The side view shows a module with a width of 15.24 mm (.60 inches) maximum and a height of 6.35 mm (.250 inches) minimum. The mounting holes have a diameter of 0.040 inches, with a tolerance of ±0.005 inches.

KEY: $\frac{\text{MM}}{\text{INCH}}$



Frequency Range:	2.5-20 MHz	Operating Temperature;	0°C to +60°C (Standard)
Standard Frequencies	10.0 MHz	Nonoperating:	40°C to +85°C
	15.0 MHz	Input Voltage:	+12 VDC ±5.0%
	20.0 MHz	Waveform:	HCMOS
Frequency Stability:	±0.3 ppm	Load:	50 pF maximum
Aging:	±0.7 ppm/10 years	Symmetry:	45/55%
Absolute Accuracy	±1.0 ppm/10 years	Logic 1:	+4.0V minimum
Phase Noise:	10 Hz -105 dBc/Hz Typical	Logic 0:	+0.4V maximum
	100 Hz -138dBc/Hz Typical	Tr & Tf	10ns at 50pF load
	1 kHz -155dBc/Hz Typical	Current:	25mA maximum
	100 kHz -159dBc/Hz Typical	Frequency Adjust:	None Required
		Package:	1.53" Sq. x 0.6" maximum

Model Type 510 _____ M _____

_____ Equals decimal point