



PIN CONNECTIONS	
PIN 1:	VOLTAGE CONTROL
PIN 7:	GROUND
PIN 8:	OUTPUT
PIN 14:	V <sub>DD</sub>

SPECIFICATION					
SERIES NUMBER	QVO-6110	QVO-6120	QVO-6130	QVO-6140	QVO-6150
NOMINAL FREQUENCY	1 MHz to 52 MHz				
OVERALL FREQUENCY STABILITY	±20ppm	±25ppm	±50ppm	±100ppm	±50ppm
OPERATING TEMPERATURE RANGE	0°C to +70°C				
SUPPLY VOLTAGE	5 VOLTS ±5%				
SUPPLY CURRENT	10 mA TYPICAL				
CONTROL VOLTAGE	0.5 VOLTS MIN to 4.5 VOLTS MAX				
TUNING RANGE (CONTROL VOLTAGE MIN TO MAX)	-50ppm to +50ppm	-100ppm to +100ppm	-100ppm to +100ppm	-200ppm to +200ppm	-200ppm to +200ppm
OUTPUT VOLTAGE VOH VIH	4.5 VOLTS MIN 0.5 VOLTS MAX				
OUTPUT LOAD	8 LSTTL or 15pF (HCMOS)				
RISE/FALL TIMES	10 nSEC MAX (20% to 80% OF P-P SIGNAL)				
SYMMETRY 50% OF P-P SIGNAL	40% to 60%				
START UP TIME	10mSEC TYPICAL				