



### STANDARD PERFORMANCE REPRESENTATION

- Temperature Range -10°C to 60°C
- Stability (ppm) ±3 to ±100
- Load Capacitance ( $C_L$ ) Series to 150pF
- Calibration ppm at 25°C ±5 to ±50 (±10ppm typical)
- ESR  $R_1$  Refer table
- Shunt ( $C_O$ ) 7pF Maximum
- Motional Capacitance ( $C_1$ ) Refer table
- Drive Level 0.5mW Typical

Mode	Frequency Range (MHz)	Max. ESR (Ohms)*	$C_1$ Typ. (fF)*
Fund.	1 to 45	15 to 500	8 to 35
3rd	15 to 90	35	1.5 to 3.5
5th	60 to 150	60	0.70
7th	125 to 175	120	0.35
9th	175 to 200	120	0.20

**Note:**

Above parameters are for standard crystal units.  
 Hy-Q sales office should be contacted for special requirements.  
 \* Value dependent upon frequency.