

# QUARTECH CRYSTAL UNITS

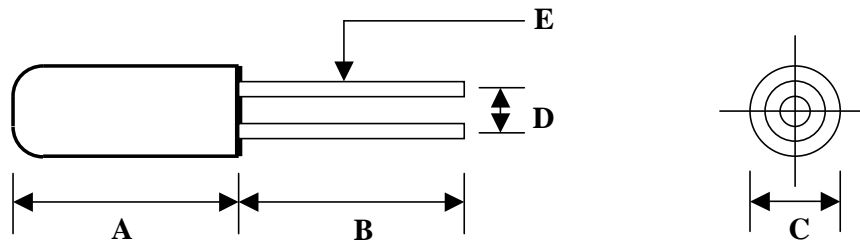
## ELECTRICAL CHARAC

PARAMETERS	QAT-308	QAT-310
Mode of Vibration	AT CUT or BT CUT	
Frequency Range	6.01 ~ 70 MHz	3.5 ~ 6.0 MHz
Frequency Tolerance at 25 °C	± 30 ppm or ± 50 ppm	
Frequency VS Temperature	± 30 ppm or ± 50 ppm	
Operation Temperature Range	-10 °C TO +60 °C	
Storage Temperature Range	-40 °C TO +85 °C	
Aging ( at 25°C )	± 5 ppm/year max.	
Shunt Capacitance	7.0 pf max.	
Drive Level	0.3 mW	
Test Circuit	Measured in Saunders 250A	
Load Capacitance	Customer Assign	
Insulation Resistance	500M OHM At DC 100V	

## RESISRENCE OF SERIES RESONANCE

FREQUENCY \ TYPE	MODE OF VIBRATION	SERIES RESONANCE
3.5 MHz ~ 6.0 MHz	Fundamental / AT	150 Ω Max.
6.01 MHz ~ 10 MHz	Fundamental / AT	100 Ω Max.
10.0 MHz ~ 19.99 MHz	Fundamental / AT	50 Ω Max.
20.0 MHz ~ 33.99 MHz	Fundamental / AT or BT	40 Ω Max.
34.0 MHz ~ 70.00 MHz	3 rd overtone / AT	100 Ω Max.

## DIMENSION ( mm )



TYPE	A	B	C	D	E
QAT-308	8.5 max.	10.5	3.0±0.2	1.1±0.2	0.35±0.05
QAT-310	10.5 max.	10.5	3.0±0.2	1.1±0.2	0.35±0.05