

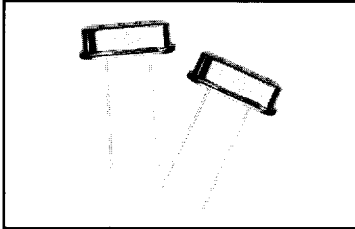
MODEL XT49S

Vishay Dale



Quartz Crystals

Low Profile
3.5MHz to 67MHz



FEATURES

- Low profile.
- Hermetically sealed.
- Tape and reel option.

STANDARD ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (MHz)	MODE OF VIBRATION	ESR Max. (Ohms)
3.5 - 3.799	"AT" Fundamental	180
3.8 - 4.0	"AT" Fundamental	150
4.001 - 5.0	"AT" Fundamental	120
5.001 - 6.0	"AT" Fundamental	80
6.001 - 8.0	"AT" Fundamental	70
8.001 - 10.0	"AT" Fundamental	60
10.001 - 12.0	"AT" Fundamental	50
12.001 - 25.0	"AT" Fundamental	40
25.001 - 50.0	"BT" Fundamental	40
30.001 - 67.0	"AT" 3rd Overtone	80

STANDARD SPECIFICATIONS

Operating Temperature: - 20°C to + 70°C (- 40°C to + 85°C optional for "AT" Mode).

Frequency Range: 3.5MHz to 67MHz.

Frequency Tolerance: ± 30PPM @ + 25°C ± 3°C.

Temperature Stability: ± 50PPM for "AT" Mode, ± 100PPM for "BT" Mode.

Storage Temperature: - 40°C to + 85°C.

Mode of Vibration: "AT" Fundamental, "BT" Fundamental or "AT" 3rd Overtone.

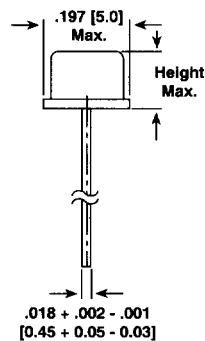
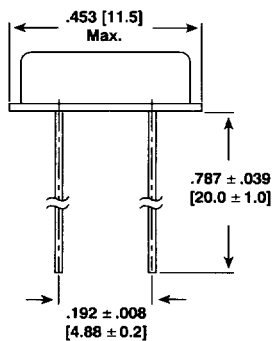
Load: Series resonant or 16pF, 20pF, 30pF or 32pF parallel load.

Drive Level: 20 microwatt to 5 milliwatt.

Shunt Capacitance: 7pF maximum.

Seal: Resistance weld.

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]



MODEL	HEIGHT
XT49S	.138 [3.5]
XT49SL	.100 [2.5]

HOW TO ORDER

XT49S MODEL	MODE	L PACKAGE HEIGHT	R OTR	- 20 LOAD	TR PACKAGING	SP OPTIONS	12M FREQUENCY/MHZ
	Blank = Fundamental OT = Overtone	Blank = 3.5mm H L = 2.5mm H	Blank = - 20° to + 70°C R = - 40°C to + 85°C	Blank = Series - 16 = 16pF - 20 = 20pF - 30 = 30pF - 32 = 32pF	Blank = Bulk TR = Tape and Reel	Blank = Standard SP = Spacer CT = Cut Leads	