HC-49/U

Features

•AT-cut crystal performance.
•Low profile for close PCB stacking.
•Standard and moderate precision available.

RoHS Compliance

Specifications

Holder Type			Unit
Freq. Range		1.843200~27.000000 (Fund)	MHz
		27.000000~70.000000(3rd O/T)	MHz
Storage Temp		-55~+125	℃
Drive Level	Maximum	1000	μW
	Recommended	10~100	μW
Shunt Capacitance		7 Max	pF
Insulation Resistance		500M Min	Ω
Aging		±3.0	ppm/year

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

Equivalent Series Resistance (E.S.R)

TYPE FREQUENCY	Mode	E.S.R
1.8432MHZ≤ Freq. ≤3.0MHz	Fund	800Ω
3.0MHz < Freq. < 3.5MHz		150Ω
3.5MHz ≤ Freq. < 5.0MHz		100Ω
5.0MHz ≤ Freq. < 7.0MHz		60Ω
7.0MHz ≤ Freq. < 10.0MHz		50Ω
10.0MHz ≤ Freq. < 20.0MHz		30Ω
20.0MHz ≤ Freq. < 27.0MHz		30Ω
27.0MHz ≤ Freq. < 70.0MHz	3rd O/T	60Ω

Freq. Stability vs Temp. Range

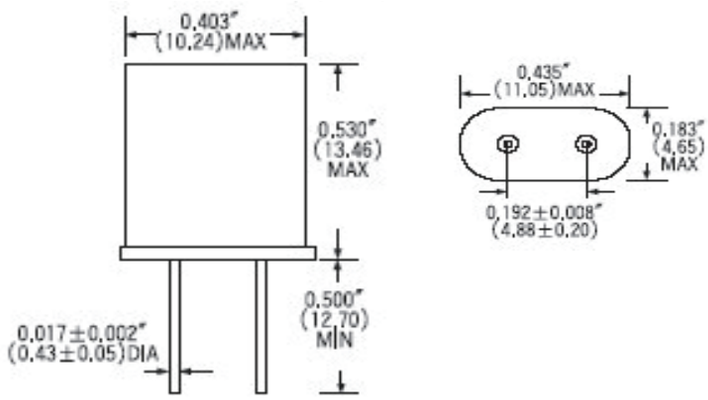
℃ \ ppm	±10	±15	±20
-10~+60	○	○	○
-20~+70	△	○	○
-40~+85	X	X	○

Freq. Stability vs. CL

Pf \ Ppm	±10	±15	±20	±30
8	X	△	○	○
10	X	△	○	○
12	△	○	○	○
16	△	○	○	○
Series	○	○	○	○

○:Standard △:Available(case by case) X:Not available

DIMENSION (mm)



OPTIONS

•Third lead
•Mylar spacer