EUROQUARTZ

HC49 Crystals

General specification for HC49 family crystals

- Low-cost, industry-standard crystal unit
- **Available to close tolerances**
- Frequency range 1.0MHz to 250MHz
- **Pakcage options**

DESCRIPTION

HC49 crystals are long-established, industry-standard crystals. Standard HC49 crystals provide a very low cost source of system clock frequency and due to the dimensions of the crystal blank employed, vthey are also able to be produced to very close tolerances where required. Supply in several holder variants is available

SPECIFICATION

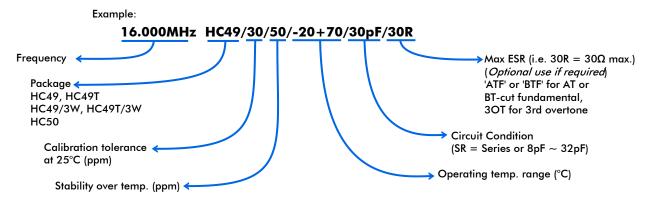
Frequency Range:	1.0MHz to 250MHz	
Oscillation Mode:	See table	
Calibration Tolerance at 25°C:	from ±3ppm to ±50ppm	
Frequency Stability:	from ±3ppm to ±50ppm <i>(see table)</i>	
Shunt Capacitance (C0):	7pF maximum	
Load Capacitance (CL):	Series or from 8pF to 32pF	
	(Customer specified CL)	
Ageing:	±3ppm maximum, 1st year,	
	±1ppm per year thereafter.	
Drive Level:	100μW typical, 500μW maximum	
Crystal Holder:	Resistance-weld hermetic seal	
Supply format:	Bulk pack	

ESR and OSCILLATION MODE

Frequency Range MHz	Crystal Cut Osc. Mode	ESR Ω Max.
1.0 ~1.3	SL Fund.	5000
2.01 ~ 3.0	AT Fund.	400
3.01 ~ 3.2	AT Fund.	200
3.21 ~ 3.5	AT Fund.	150
3.51 ~ 3.9	AT Fund.	120
3.91 ~ 5.0	AT Fund.	100
5.01 ~ 7.0	AT Fund.	50
7.01 ~ 10.0	AT Fund.	35
10.0 ~ 30.0	AT Fund.	25
30.1 ~ 45.0	AT Fund.	20
24.0 ~ 100	AT 3rd OT	40
80.0 ~ 160	AT 5th OT	70
110 ~ 250	AT 7th OT	120

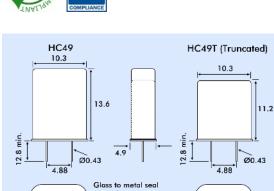
PART NUMBERS

Part numbers for HC49 family crystals are generated as follows:



EUROQUARTZ LIMITED Blacknell Lane CREWKERNE Somerset UK TA18 7HE Tel: +44 (0)1460 230000 Fax: +44 (0)1460 230001 sales@euroquartz.co.uk

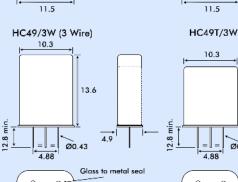
www.euroquartz.co.uk



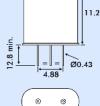
REACH

0

0







۲ 0



HC50 ('Plug-in' Leads)

