

QUARTZ CRYSTALS

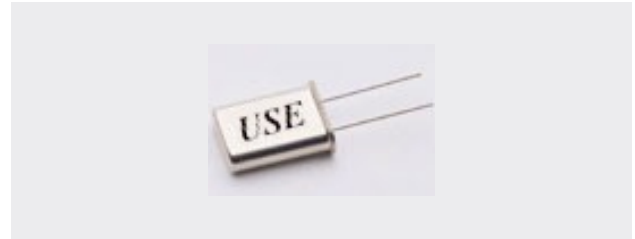
US ELECTRONICS INC.

HC49/U Package Crystals

PH:(314)423-7550

FAX:(314)423-0585

- HC-49/U package
- AT cut available
- Resistance weld seal
- Tape and reel, insulator tab, 3rd lead, and custom lead length options available



Standard Crystals available in HC-49/U case sizes:

USE Part #	Frequency (MHz)	Load cap.	Max.ESR
UMC018	1.8432	13	750
UMC020	2.0000	20	300
UMC024	2.4576	32	300
UMC036	3.5795	18	150
UMC037	3.6864	20	150
UMC040	4.0000	20	75
UMC041	4.0000	Series	75
UMC042	4.1943	12	75
UMC049	4.9152	20	75
UMC050	5.0000	20	50
UMC051	5.0000	Series	50
UMC052	5.0688	Series	50
UMC060	6.0000	20	50
UMC061	6.1440	20	50
UMC073	7.3728	Series	45
UMC080	8.0000	Series	45
UMC081	8.0000	20	45
UMC098	9.8304	20	45
UMC100	10.0000	Series	35

Standard Crystals available in HC-49/U case sizes:

USE Part #	Frequency (MHz)	Load cap.	Max.ESR
UMC101	10.0000	30	35
UMC107	10.7386	32	35
UMC110	11.0000	18	35
UMC111	11.0592	Series	35
UMC120	12.0000	Series	35
UMC122	12.2880	32	35
UMC143	14.3181	Series	35
UMC147	14.7456	Series	35
UMC150	15.0000	Series	35
UMC160	16.0000	Series	35
UMC184	18.4320	20	35
UMC185	18.4320	Series	35
UMC196	19.6608	Series	35
UMC200	20.0000	Series	35
UMC221	22.1184	Series	35
UMC240	24.0000	Series	35
UMC245	24.5760	Series	35
UMC250	25.0000	Series	35

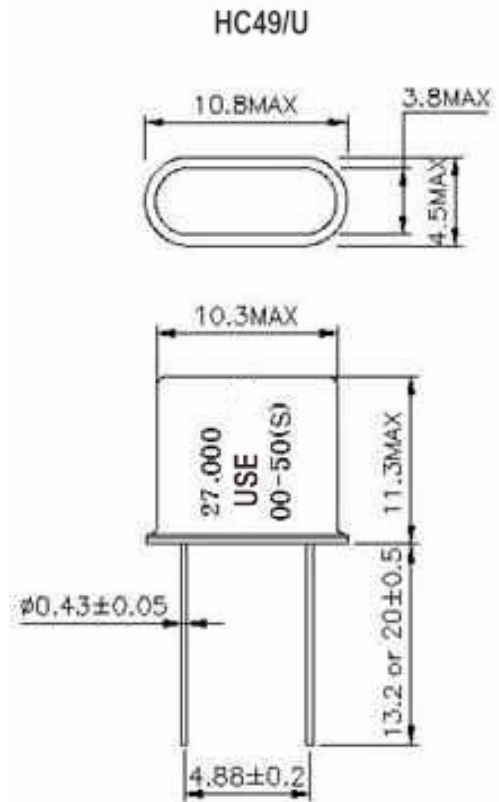
Standard Specifications:	
Frequency Range	1.5 - 160 MHz
Vibration Mode	Fundamental
Frequency Tolerance	+/- 0.005% (50 ppm) @ 25°C
Operating Temp Range and Frequency Stability	+/- 0.005% (50 ppm) over -20°C to 70°C
Shunt Capacitance	7pF maximum
Insulation Resistance	500Meg.Ohms
Aging	+/-5 ppm / year
Case Size	HC-49/U

How To Order: 1. Pick a part# from the standard parts table or pick a frequency with in the range specified in the table above and specify the properties you need from the tables below to configure the part# you need.

2. If you need Insulator, add "I" in the box specified.

3. If you need [Tape & Reel](#), add "TR" in the box specified at the end of the part number.

4. To [Place Order](#) specify part number and quantity required.



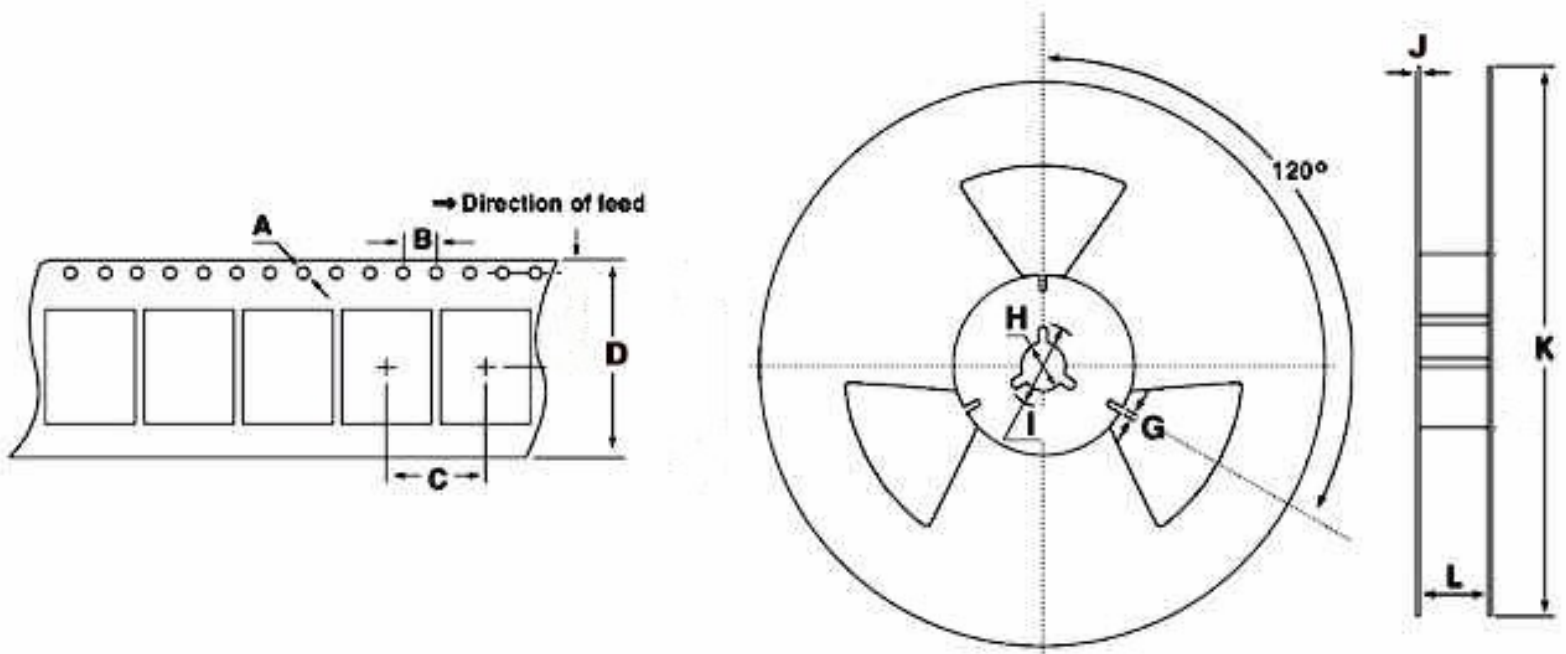
CUSTOM PART NUMBERING SYSTEM

Frequency(MHz)

Insulator

Tape & Reel

TAPE AND REEL SPECIFICATIONS:



TAPE SPECIFICATIONS:(millimeters)

MODEL	A	B	C	D
HC49/U	1.5	4.0	16.0	24.0

REEL SPECIFICATIONS:(millimeters)

MODEL	G	H	I	J	K	L
HC49/U	2.0	13.0	23.0	2.0	330	25.5