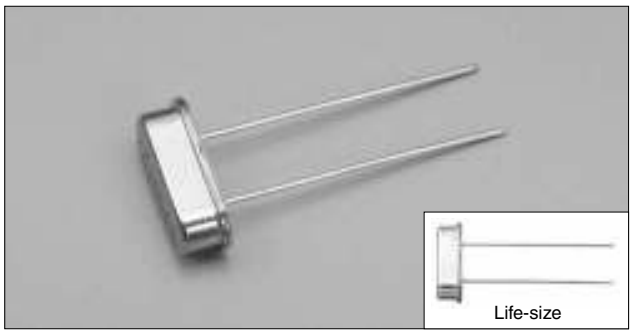
AT-CUT CRYSTAL UNIT (Metal-can Type)

CITIZEN Micro HumanTech

RoHS compliant

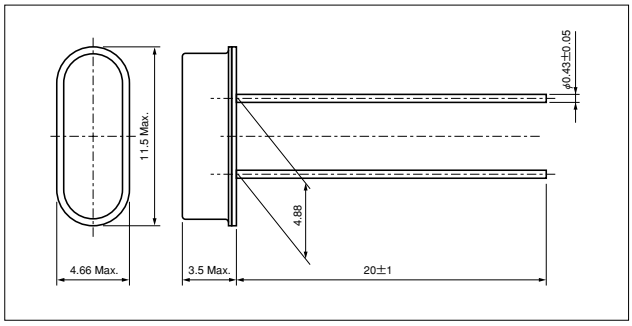
HC-49/U-S



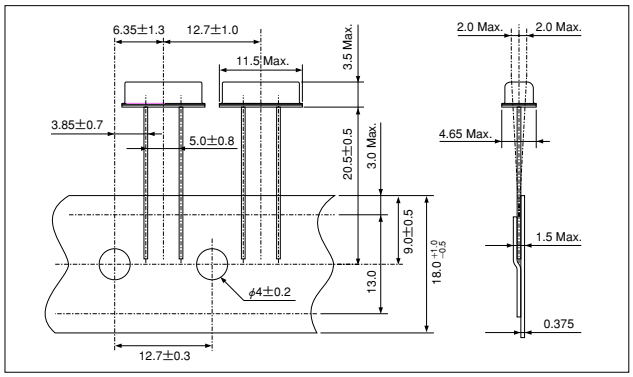
■ FEATURES

- Available in Tape and reel form.
- Suitable for various applications such as communication devices, AV devices and measuring instruments.

■ DIMENSION [mm]



Taping dimension : 2000pcs/Ammo pack [mm]



■ STANDARD SPECIFICATIONS

Item \ Model		HC-49/U-S	Conditions
Nominal Frequency	f_0	3.5MHz～30.0MHz (Fundamental)	Need to contact us for the available frequency
		30.0MHz～50.0MHz (3rd Overtone)	
Frequency Tolerance	$\triangle f/f_0$	±30ppm	at 25℃
Frequency Tolerance over Operating Temperature Range	$\triangle f/f_0$	below 6.0MHz: ±50ppm	−10℃～+60℃
		above 6.0MHz: ±30ppm	
Operating Temperature Range	T_{OPR}	−20℃～+70℃	
Storage Temperature Range	T_{STR}	−40℃～+85℃	
Motional (series) resistance	R_1	Refer to the following table	at 25℃
Load capacitance	C_L	Fundamental:10.0pF～∞ 3rd Overtone:5.0pF～∞	Need to specify your requirement
Shunt capacitance	C_0	7.0pF Max.	
Level of drive	D_L	100 μW	
Insulation Resistance	I_R	500MΩ Min.	DC100V±15V
Aging (first year)	$\triangle f/f_0$	±5ppm Max.	25℃±3℃

■ MOTIONAL (SERIES) RESISTANCE (R_1)

Frequency Range	3.5MHz≦f_0<4.0MHz	4.0MHz≦f_0<6.0MHz	6.0MHz≦f_0<10MHz	10MHz≦f_0<14MHz	14MHz≦f_0<30MHz	30MHz≦f_0<36MHz	36MHz≦f_0≦50MHz
Mode	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental	3rd Overtone	3rd Overtone
R_1	200Ω Max.	150Ω Max.	100Ω Max.	80Ω Max.	50Ω Max.	140Ω Max.	100Ω Max.