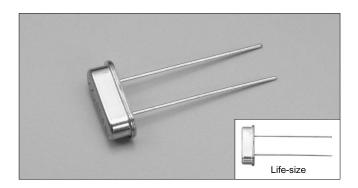


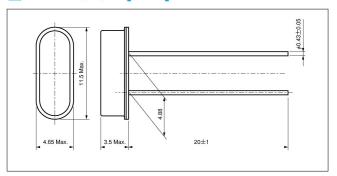
AT-CUT CRYSTAL UNIT (Metal-can Type)

RoHS Compliant Optional

HC49US



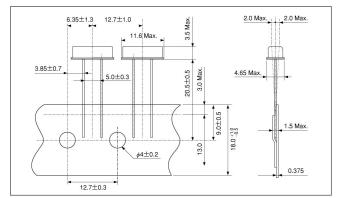
DIMENSION [mm]



FEATURES

- High performance miniature crystal units with Citizen's ultra-precise processing technology.
- Available in Tape and reel form.
- Suitable for various applications such as communication, AV, automotive and measurement devices.

Taping dimension: 2000pcs/Ammo pack [mm]



ISTANDARD SPECIFICATIONS

ltem Model		HC49US	Conditions	
Nominal Frequency	fo	3.5MHz~30.0MHz (Fundamental)	Need to contact us for the available frequency	
Nominal Frequency		30.001MHz~50.0MHz (3rd Overtone)		
Frequency Tolerance	△f/fo	±30ppm	at 25°C	
Frequency Tolerance over Operating Temperature Range	△f/fo	±50ppm	−10°C~+60°C	
Operating Temperature Range	Topr	−20°C~+70°C		
Storage Temperature Range	-40°C∼+85°C			
Motional (series) resistance	R ₁	Refer to the following table	at 25°C	
Load capacitance	CL	18.0pF	Need to specify your requirement	
Shunt capacitance	citance C ₀ 7.0pF Max.			
Level of drive	DL	100 μW Max.		
Insulation Resistance	lR	500M Ω Min.	DC100V±15V	
Aging (first year)	△f/fo	±5ppm Max.	25°C±3°C	

■MOTIONAL (SERIES) RESISTANCE (R₁)

F	requency Range	3.5MHz≦f ₀ <4.0MHz	4.0MHz≦f0<6.0MHz	6.0MHz≦fo<10MHz	10MHz≦fo<14MHz	14MHz≦fo<30MHz	30MHz≦fo<36MHz	36MHz≦fo≦50MHz
ı	Mode	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental	3rd Overtone	3rd Overtone
F	₹₁	200 Ω Max.	150 Ω Max.	100 Ω Max.	80 Ω Max.	50 Ω Max.	140 Ω Max.	100 Ω Max.