

AT-CUT CRYSTAL UNIT (SMD · Metal-can Type)

RoHS Compliant Optional

HCM49

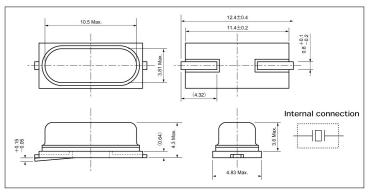
1000pcs/reel



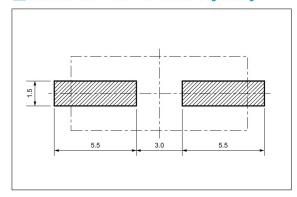
FEATURES

- Surface mount type of metal-can HC-49/U-S.
 High performance with the resistance weld sealing.
- Automatic mounting and reflowable Type.
- Suitable for various applications such as communication devices, AV devices, automotive devices and measuring instruments.

■DIMENSION [mm]



■SOLDER PAD LAYOUT [mm]



ISTANDARD SPECIFICATIONS

ltem Model		HCM49	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	−40°C∼+85°C		
Storage Temperature Range TST		−55°C∼+125°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	Co	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℃±3℃	

■MOTIONAL (SERIES) RESISTANCE (R₁)

Frequency R	ange	3.5MHz≦fo<4.0MHz	4.0MHz≦fo<6.0MHz	6.0MHz≦f₀<10MHz	10MHz≦f₀<14MHz	14MHz≦fo<30MHz	30MHz≦fo<36MHz	36MHz≦fo≦50MHz
Mode		Fundamental	Fundamental	Fundamental	Fundamental	Fundamental	3rd Overtone	3rd Overtone
R ₁		200 Ω Max.	150 Ω Max.	100 Ω Max.	80 Ω Max.	50 Ω Max.	140 Ω Max.	100 Ω Max.