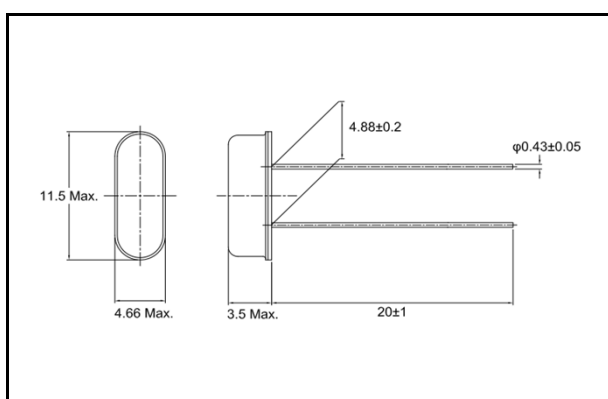


AT-CUT CRYSTAL UNIT (Metal-can Type)

RoHS compliant

HC-49/U-S**■ FEATURES**

- Frequency range : 3.5 ~ 50.0MHz
- External dimensions (mm)
L : 11.5 x W : 4.66 x H : 3.5
- Applications
Consumer products

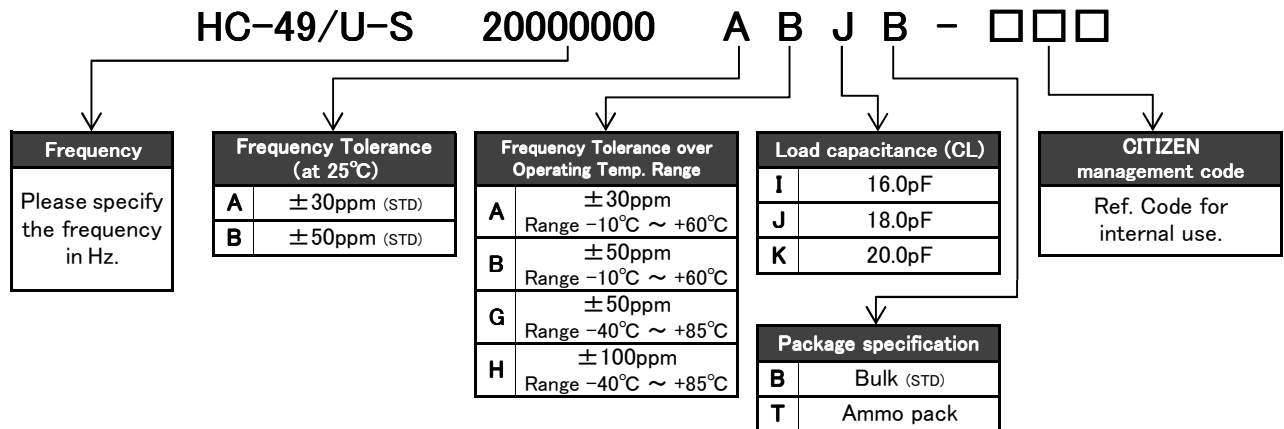
■ DIMENSION [mm]**■ STANDARD SPECIFICATIONS**

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

■ MOTIONAL (SERIES) RESISTANCE (R_1)

Freq. Range (MHz)	$3.5 \leq f_0 < 4.0$	$4.0 \leq f_0 < 6.0$	$6.0 \leq f_0 < 10.0$	$10.0 \leq f_0 < 14.0$	$14.0 \leq f_0 < 30.0$	$30.0 \leq f_0 < 36.0$	$36.0 \leq f_0 \leq 50.0$
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.

■ PART NUMBERING SYSTEM



*Please contact us for specifications available.

■ Part Marking [standard]



f : The first 4 digits of Frequency including the decimal point

C : Manufacture's ID Code

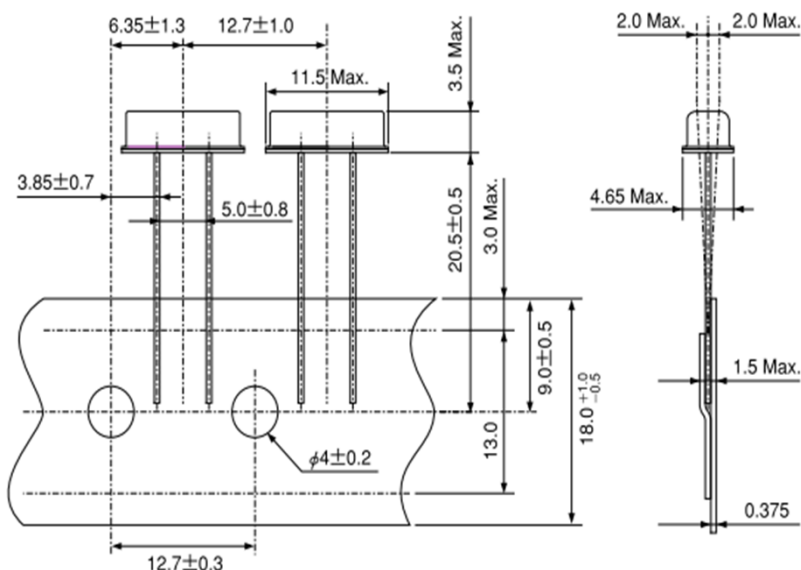
y : The last digit of production year

m : Production month (See Table.1)

Table.1

Month	Jan	Feb	...	Sep	Oct	Nov	Dec
Code	1	2	...	9	X	Y	Z

■ Taping dimension : 2,000pcs/Ammo pack [mm]



Rev.1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Citizen:

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[HC49US-32.768MABJ-UB](#) [HC49US-16.9344MABJ-UB](#) [HC49US-10.000MABJ-UB](#) [HC49US-20.000MABJ-UB](#)
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[HC49US-9.216MABJ-UB](#) [HC49US-15.000MABJ-UB](#) [HC49US-12.000MABJ-UB](#) [HC49US-19.6608MABJ-UB](#) [HC49US-](#)
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[17.734475MABJ-UB](#) [HC49US-6.176MABJ-UB](#) [HC49US-4.000MABJ-UB](#) [HC49US-28.224MABJ-UB](#) [HC49US-](#)
[8.192MABJ-UB](#) [HC49US-4.194304MABJ-UB](#) [HC49US-50.000MABJ-UB](#) [HC49US-48.000MABJ-UB](#) [HC49US-](#)
[27.000MABJ-UB](#) [HC49US-18.000MABJ-UB](#) [HC49US-15.360MABJ-UB](#) [HC49US-5.000MABJ-UB](#) [HC49US-](#)
[32.000MABJ-UB](#) [HC49US-33.8688MABJ-UB](#) [HC49US-49.152MABJ-UB](#) [HC49US-4.096MABJ-UB](#) [HC49US-](#)
[18.432MABJ-UB](#) [HC49US-8.000MABJ-UB](#) [HC49US-3.579545MABJ-UB](#) [HC49US-24.576MABJ-UB](#) [HC49US-](#)
[14.7456MABJ-UB](#) [HC49US-14.31818MABJ-UB](#) [HC49US-21.47727MABJ-UB](#) [HC49US-6.144MABJ-UB](#) [HC49US-](#)
[25.000MABJ-UB](#) [HC49US-10.240MABJ-UB](#) [HC49US-7.680MABJ-UB](#) [HC49US-7.3728MABJ-UB](#) [HC49US-](#)
[22.1184MABJ-UB](#) [HC49US-6.144MBBP-UB](#) [HC49US-10.000MABKUB](#) [HC49US-24.000MABKUB](#) [HC49US-](#)
[24.576MABJUB](#) [HC49US-4.000MBBIUB](#) [HC49US-6.000MABO-UB](#) [HC49US-3.6864MABJ-UB](#) [HC49US-13.560MBBI-](#)
[UT](#) [HC49US-13.560MBBIUB](#) [HC49US-4.000MBBJ-UB](#)