CITIZEN

AT-CUT CRYSTAL UNIT (Metal-can Type)

RoHS compliant

HC-49/U-S



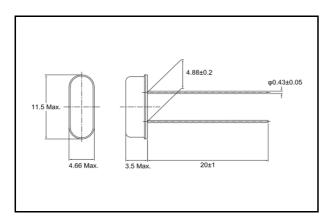
■ FEATURES

● Frequency range : 3.5 ~ 50.0MHz

External dimensions (mm)L: 11.5 x W: 4.66 x H: 3.5

ApplicationsConsumer products

■ DIMENSION [mm]



■ STANDARD SPECIFICATIONS

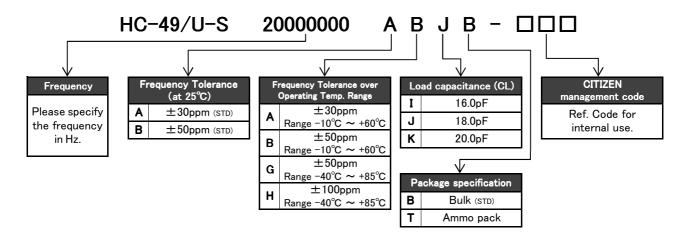
Item	Model	HC-49/U-S	Conditions		
Nominal Frequency		3.5MHz ~ 30.0MHz (Fundamental) 30.0MHz ~ 50.0MHz (3rd Overtone)	Please contact us for frequencies available		
Frequency Tolerance	∆f/fo	±30ppm	at 25 [°] C		
Frequency Tolerance over Operating Temperature Range	∆f/fo	below 6.0MHz:±50ppm above 6.0MHz:±30ppm	-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	Fundamental:10.0pF ~ ∞ 3rd Overtone:5.0pF ~ ∞	Please specify your requirement		
Shunt capacitance Co		7.0pF Max.			
Level of drive	DL	100 μ W			
Insulation Resistance	ĪR	500M Ω Min.	DC100V±15V		
Aging (first year)	∆f/fo	±5ppm Max.	25°C±3°C		

■ MOTIONAL (SERIES) RESISTANCE (R1)

Freq. Range (MHz)	3.5≦fo<4.0	4.0≦fo<6.0	6.0≦fo<10.0	10.0≦fo<14.0	14.0≦fo<30.0	30.0≦fo<36.0	36.0≦fo≦50.0
Mode	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental	3rd Overtone	3rd Overtone
R1	200 Ω Max.	150 Ω Max.	100 Ω Max.	80 Ω Max.	50 Ω Max.	140 Ω Max.	100 Ω Max.

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■ PART NUMBERING SYSTEM



*Please contact us for specifications available.

■ Part Marking [standard]



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

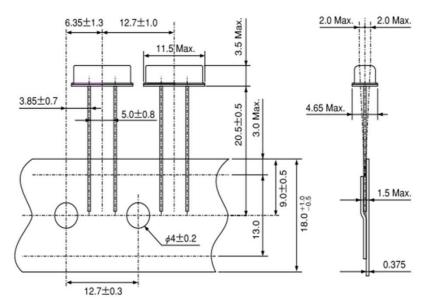
C: Manufacture's ID Code

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	Χ	Υ	Z		

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



Product specifications are subject to change without notice.

Mouser Electronics

Authorized Distributor

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

Citizen:

HC49US-40.000MABJ-UB HC49US-16.384MABJ-UB HC49US-13.500MABJ-UB HC49US-9.8304MABJ-UB HC49US-32.768MABJ-UB HC49US-16.9344MABJ-UB HC49US-10.000MABJ-UB HC49US-20.000MABJ-UB HC49US-16.000MABJ-UB HC49US-24.000MABJ-UB HC49US-11.0592MABJ-UB HC49US-29.4912MABJ-UB HC49US-9.216MABJ-UB HC49US-15.000MABJ-UB HC49US-12.000MABJ-UB HC49US-19.6608MABJ-UB HC49US-4.9152MABJ-UB HC49US-11.2896MABJ-UB HC49US-6.000MABJ-UB HC49US-12.288MABJ-UB HC49US-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-14.7456MBJ-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 HC-49/U-S16000000ABJB HC-49/U-S20000000ABJB HC-49/U-S25000000ABJB HC-49/U-S8000000ABJB HC-49/U-S10000000ABJB HC-49/U-S13560000BBIB HC-49/U-S13560000BBIT HC-49/U-S14318180ABJB HC-49/U-S14745600ABJB HC-49/U-S15000000ABJB HC-49/U-S98304000ABJB HC-49/U-S33868800ABJB HC-49/U-S7372800ABJB HC-49/U-S7680000ABJB HC-49/U-S8192000ABJB HC-49/U-S12288000ABJB HC-49/U-S13500000ABJB HC-49/U-S9216000ABJB HC-49/U-S5000000ABJB HC-49/U-S6000000ABJB HC-49/U-S6000000ABOB HC-49/U-S6144000ABJB HC-49/U-S6144000BBPB HC-49/U-S6176000ABJB HC-49/U-S4096000ABJB HC-49/U-S4194304ABJB HC-49/U-S48000000ABJB HC-49/U-S49152000ABJB HC-49/U-S4915200ABJB HC-49/U-S50000000ABJB HC-49/U-S3579545ABJB HC-49/U-S3686400ABJB HC-49/U-S4000000ABJB HC-49/U-S400000ABJB HC-49/U-S4000000BBIB HC-49/U-S4000000BBJB HC-49/U-S10240000ABJB HC-49/U-S11059200ABJB HC-49/U-S11289600ABJB HC-49/U-S12000000ABJB HCM4910240000ABJT