

Customer Code: _____

DATASHEET

DAPU P/N: 43U-10.00MHzJSC31100003

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.03.02			

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	<i>Amway</i>	2018.6.6
1.1	The “UTP Range and Marking ” changed	<i>Amway</i>	2018.7.11
1.2	The “Frequency Tolerance and Marking” changed The “DLDH2” changed The “Note2” changed	<i>Amway</i>	2018.11.12
1.3	The “Frequency Tolerance” changed	<i>Amway</i>	2022.03.02

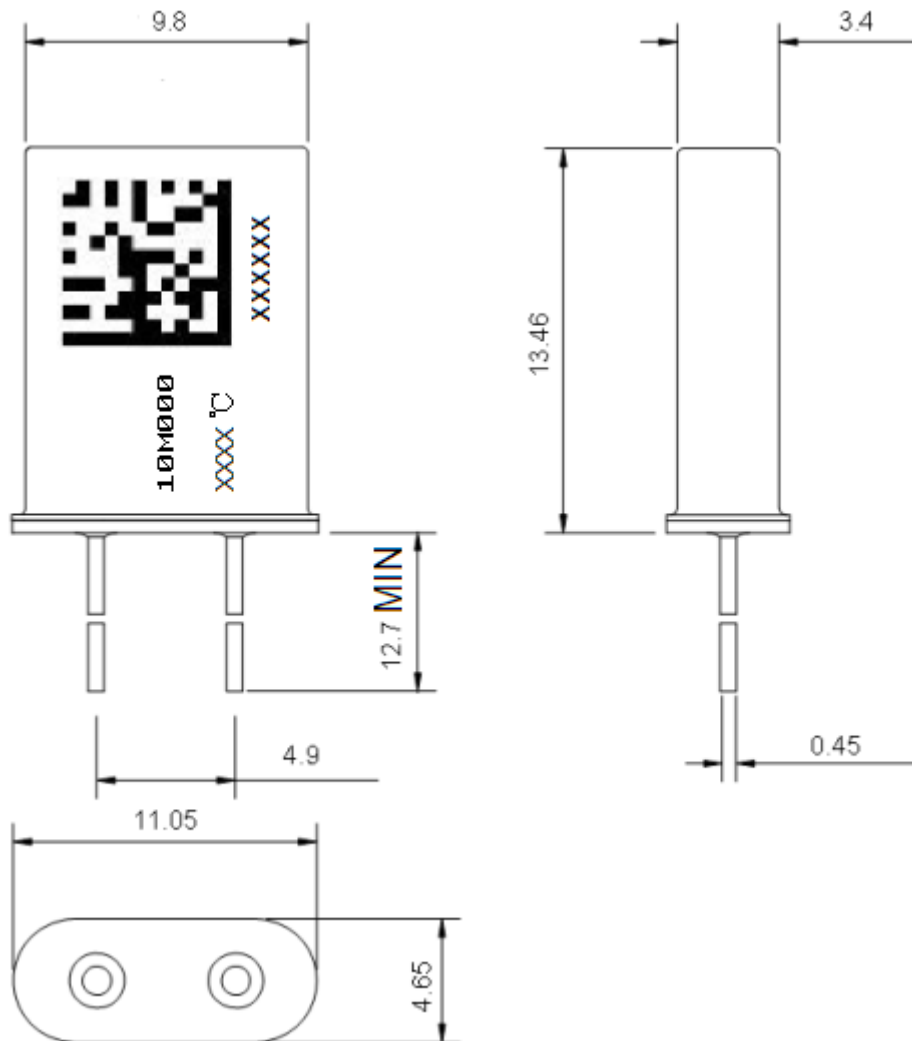


1. Electrical Parameters

MODEL: 43U-10.00MHZ							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	10.00			MHz	
2	Oscillation Mode	-	3 rd overtone			-	SC-CUT / Deep corrosion
3	Load Capacitance	CL	20			pF	
4	Frequency Tolerance	-	-5.0	-	-1.0	$\times 10^{-6}$	at 95°C
5	UTP Range		90		103	°C	
6	Aging Tolerance 1 Year	-	-0.05	-	+0.05	$\times 10^{-6}$	After 30 days operation
7	Drive Level	DL	-	100	-	uW	
8	Effective Series Resistance	ESR	-	-	120	Ω	
9	Motional Capacitance C1		0.165±15%			fF	
10	Shunt Capacitance C0		3.0±10%			pF	
11	Quality Factor Q		800	-	-	K	
12	DLD2		-	-	7	Ohms	(95 deg C, 0.01 μ W ~ 100 μ W)
13	DLDH2		-	-	7	Ohms	
14	G-sensitivity	<1.5×10 ⁻⁹ /g in y & z-axis, <3×10 ⁻⁹ /g in x-axis					
15	Spurious Modes	Resistance ratio of spurious modes shall be >2:1 vs C-mode					
16	Insulation Resistance			500		M Ω	
17	LEAK		$\leq 1 \times 10^{-9}$			Pa.m ³ /S	
18	Solderability of Leads	It must be Solderability					
19	Solderability of Case	The case must be solderability					
20	RoHS	Parts supplied under this specification must be RoHS-6 compliant					
21	SHOCK (non-operating)	MIL-STD-202, Method 213, Test Condition I, (100g' s, 6ms sawtooth)					
22	VIBRATION(non-operating)	MIL-STD-202, Method 204. Test Condition C. (10 g' s peak, 55 to 2000Hz)					
23	WARRANTY	The part warranty is 1 year from the date of delivery					
24	Full Package Storage	Relative humidity (%)				20%~70%	
		Temperature (°C)				-10~35°C	



2. Mechanical Structure (mm)

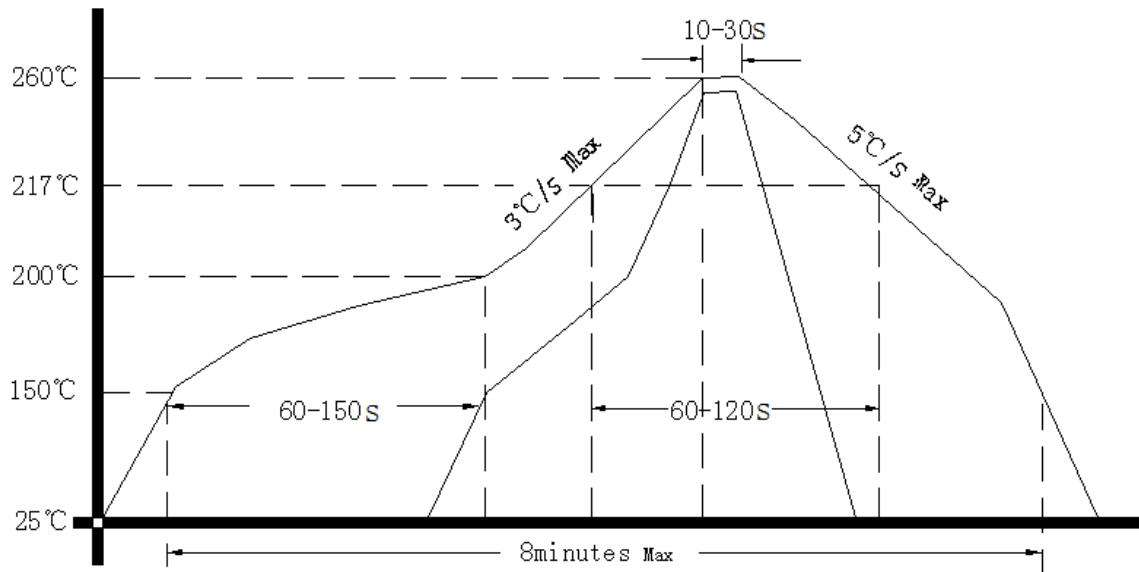


Note1: Tolerance ± 0.2 mm

Note2: Marking including: laser, item number, nominal frequency, TOP



3. Reflow Soldering Curve (RoHS)



4. Package

