

Customer Code:

DATASHEET

DAPU P/N: 43U-12.80MHzRDTEMPH900378

DAPU			Supplier Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2020.10.21			

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg3-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098



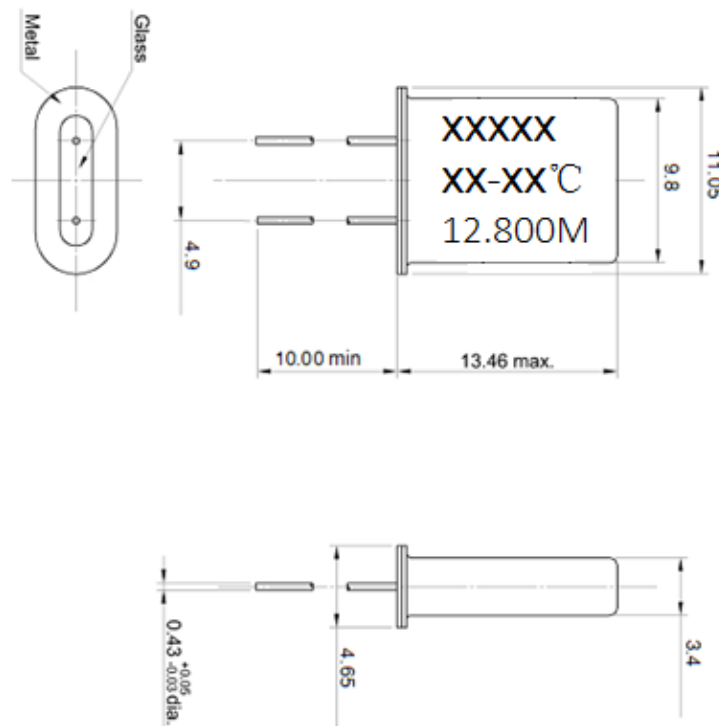
1. Electrical Parameters

MODEL: 43U-12.80MHz							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	12.80			MHz	
2	Oscillation Mode	-	3 rd overtone			-	SC-CUT
3	Load Capacitance	CL	20			pF	
4	Frequency Tolerance	FL	-1.5		+1.5	$\times 10^{-6}$	at 98°C
5	Turnover point	T.O.P	90		105	°C	LTP
	Aging Tolerance	Per Day	-0.5		+0.5	$\times 10^{-9}$	After 30 days operation
6	Aging Tolerance	1 Year	-0.05		+0.05	$\times 10^{-6}$	After 30 days operation
7	Drive Level	DL	-	-	100	uW	
8	Resonance Resistance	ESR	-	-	90	Ω	
9	Motional Capacitance	C1	0.16	0.19	0.22	fF	
10	Shunt Capacitance	C0	2.2	2.5	2.8	pF	
11	Quality Factor	Q	800	-	-	K	
12	DLD2		-	-	6	Ohms	(250B,0.05 μ W~400 μ W)
13	G-sensitivity	<1.5 $\times 10^{-9}$ /g in y & z-axis, <3 $\times 10^{-9}$ /g in x-axis					
14	Spurious Modes	Resistance ratio of spurious modes shall be >2:1 vs C-mode					
15	Insulation Resistance		500			M Ω	
	Operating Temperature Range	T	-40		120	°C	
	Storage temperature Range		-55		150	°C	
16	Leak		$\leq 1 \times 10^{-9}$			Pa.m ³ /S	
17	Shock	df/f	-0.2		0.2	ppm	MIL-STD-202, Method 213, Test Condition I, (100g' s, 6ms sawtooth)
18	Vibration	df/f	-0.2		0.2	ppm	MIL-STD-202, Method 204. Test Condition C. (10 g' s peak, 10 to 2000Hz)



19	Drop	df/f	-0.5	0.5	ppm	Shock: free fall, on wooden block. (more than 30mm thickness.) Height: 30cm 1time
20	Solderability of Leads	It must be Solderability				
21	Solderability of Case	The case must be Solderability				
22	Reflow Soldering Heat Resistance	Soldering temperature: 265 °C, 10 sec. Number of flow applications: 5.				
23	RoHS	Parts supplied under this specification must be RoHS-6 compliant				
24	Warranty	The part warranty is 1 year from the date of delivery				
25	Full Package Storage	Relative humidity (%)			20% ~70%	
		Temperature (°C)			-10~35°C	

2. Mechanical Structure(mm)



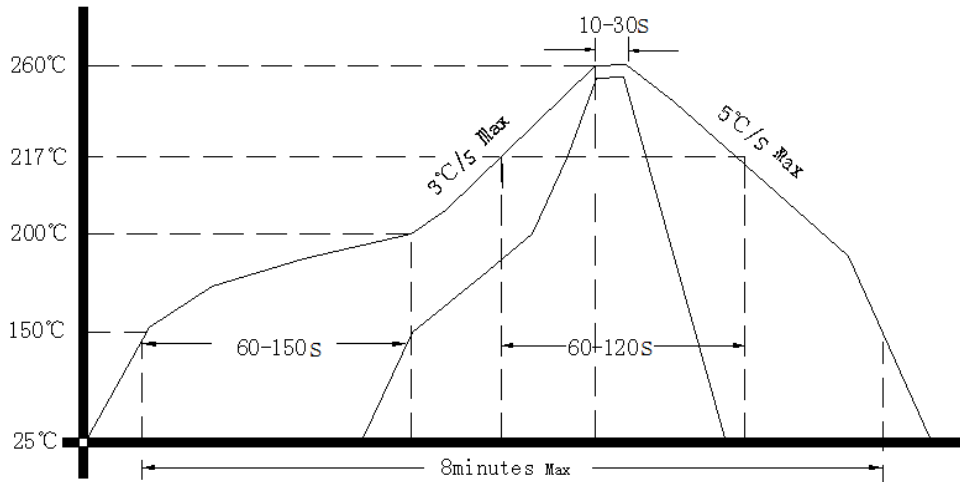
Note1: The first five "X" representative serial number, It consists of one letters and four digits.

Note2: The range of inflection point values is indicated by numbers and "°C", The temperature range of inflection point is 3 °C.

Note3: Tolerance ±0.2 mm



3. Reflow Soldering Curve (RoHS)



4. Package

