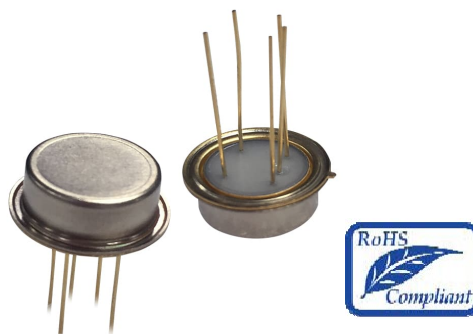


► Features

- High precision Crystal
- Cold weld package
- Au electrode, with vacuum
- Faster warm up
- Hight stability, Good aging
- For OCXO and TCXO
- RoHS Compliant (pb-Free)



Dimensions(mm) $\phi 15 \times 6.5$ mm

Electrical Specifications				
Parameter	Min.	Typical	Max.	Unit
Standard Frequency	5.0, 10.0, 12.80, 16.3840			Mhz
Operating Temp. Range	-55		+105	°C
Turning Point	+75°C to +105°C (mode, cut, freq. dependent)			°C
Freq. Tolerance @Turn	±1.5	±3.0	±5.0	ppm
Drive level		100	500	uW
Shunt Capacitance (C0)			7.0	pF
Insulation Resistance	500 M			Ohm
Aging	±0.01		±1.0	ppm/year

Standard Options						
Nominal Freq.	Mode	R(Ω)	Co(pF)	C1(ff)	Q(typ)	Aging/ppm
10.00 Mhz	3 rd AT	< 45	< 2.6	0.44	640K	0.3
12.800 Mhz	3 rd AT	< 45	< 2.6	0.85	450K	0.5
16.3840 Mhz	3 rd AT	< 30	< 3.8	1.60	420K	0.5
5.000 Mhz	3 rd SC	< 110	< 3.0	0.18	2,200K	0.01
10.000 Mhz	3 rd SC	< 70	< 3.2	0.19	1,200K	0.03
12.800 Mhz	3 rd SC	< 70	< 4.2	0.26	900K	0.05
16.3840 Mhz	3 rd SC	< 75	< 4.5	0.20	780K	0.06

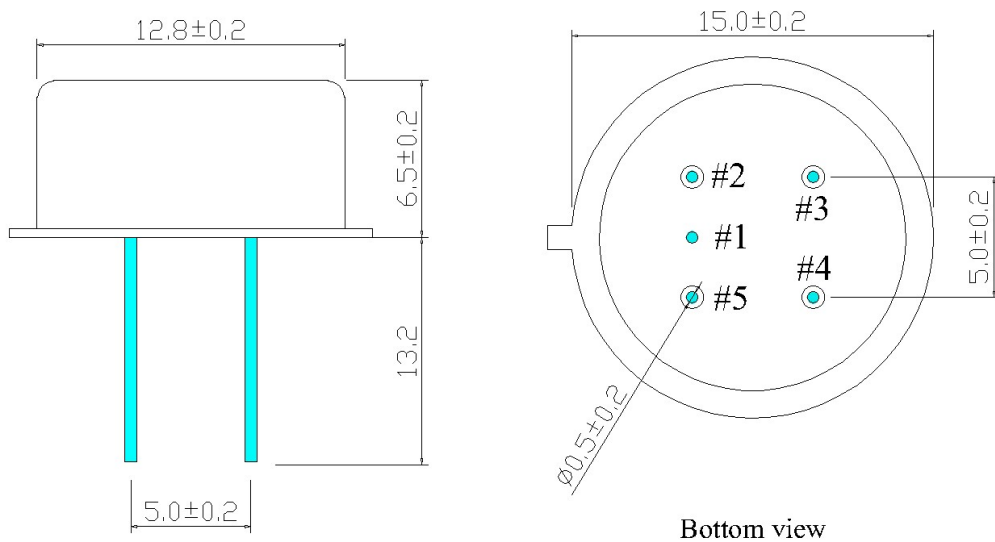
Absolute Maximum Ratings *(For user guidelines only)*

Parameter	Maximum Value	Units	Condition
Operating Temperature	-40 to 85	°C	
Storage Temperature	-55 to 105	°C	Max

Mechanical Dimensions

TO-8 Package

Dimensions : mm



Bottom view

Pin	1	2	3	4	5
Function	Case	OUT	Gnd	IN	Gnd

Marking

12.800Mhz	-Frequency
IMT wyyy	-week/year

Part Numbering Guide & Code ...iCXPT8-AEA0-F-10M000-T

iCXPT8(Crystal)

Package	Mode	Operating Temperature	Stability	CL	Frequency	Packaging Option
iCXPT8	A	E	A0	F	10M000	T
T8:TO-8 43: 43U	F:fund A:3 rd B:5 th	B: 0...70°C C:-20...70°C E:-40...85°C D: -55.105°C	A0:±1.5ppM B3:±3.0ppM B5:±5.0ppM	X- series A-20pF B-18pF C-16pF D-12.5pF F-12pF G-10pF O-other	10Mhz	T: Tape & Reel B: Bulk

Above example, Crystal, TO-9 package, 3rd Overtone mode, -40to 85°C Temperature range, Temp Stability ±1.5ppM, 12pF Load capacitance, at 10.000Mhz.