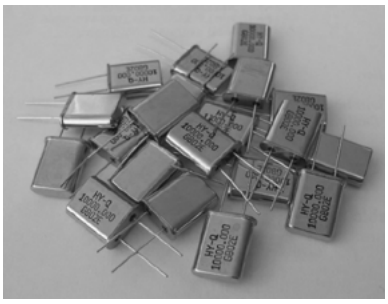
For RF Communications Applications

- AT Cut Crystals
- Frequency Range 3 - 200 MHz
- Low Aging
- High Stability
- Resistance Weld
- Delivery of 4 weeks reduced to 24 hours ex factory with scaled priority charges.
- To order simply quote the Make & Model of the Transceiver with the frequencies required.
- Tait-TE-1 specification a speciality.
- Contact our sales office for your special requirement



Standard Parameters:
Load Capacitance: Series, 20pF, 30pF
Shunt Capacitance: 7pF
Drive Level: 0.5mW
Adjustment Tolerance @ 25 °C: ± 5ppm to ± 50ppm (± 10ppm Std)

Mode	Frequency Range MHz	Equivalent Series Res. Ohms	Motional Capacitance fF *	Temperature Range °C	Stability (PPM)
Fundamental	3 to 45	20 to 180	5 to 30	-10 to +60	±3 to ±100
3rd	18 to 90	40	1 to 2.5	-10 to +60	±3 to ±100
5th	60 to 150	60	0.7	-10 to +60	±3 to ±100
7th	125 to 175	120	0.35	-10 to +60	±3 to ±100

* Value dependent on frequency

Crystals can be ordered using international specifications (such as MIL, BS or IEC) or by the 3 column code below.

The first column consists of two letters specifying the operating temperature range (°C) and frequency stability (ppm) over that range.The stability is quoted as a frequency tolerance (ppm) relative to the actual frequency at the reference temperature.

The second column is a 2 digit code giving the preferred value of the calibration tolerance (ppm). This is the tolerance to which the crystal frequency will be set at the reference temperature.

The third column is a single letter giving the preferred value of load capacity.

Example

GJ05E
represents:

Operating Temp:
-10 to +60 °C

Frequency Stability:
±5 ppm

Calib. Tolerance:
± 10ppm

Load Capacitance:
30 pf

First Column			
First Letter Operating Temp. (°C)		Second Letter Freq. Stability (ppm)	
A	-55 to +105	A	±100
B	-40 to +90	B	±50
C	-30 to +80	C	±30
D	-25 to +75	D	±25
E	-20 to +70	E	±20
F	-15 to +65	F	±15
G	-10 to +60	G	±10
H	-5 to +55	H	±7.5
J	-0 to +50	J	±5
K	+5 to +45	K	±4
L	+10 to +40	L	±3
		M	±2

Second Column Calibration Tolerance (ppm)		Second Column Calibration Tolerance (ppm)	
01	±50	A	10
02	±30	B	15
03	±20	C	20*
04	±15	D	25
05	±10	E	30*
06	±7.5	F	32
07	±5.0	G	40
08	+45 to +65	H	45
09	+35 to +55	J	50
10	+25 to +45	K	60
11	+20 to +40	L	70
12	+15 to +35	M	80
13	+10 to +30	N	90
14	+5 to +25	P	100
15	+0 to +20	Q	18
16	-5 to +15	R	150
17	-15 to +5	S	Series - resonant*
18	-20 to 0	T	35
19	-25 to -5	U	55
20	-30 to -10	V	65
21	-35 to -15	W	75
22	-40 to -20	X	85
23	-45 to -25	Y	95
24	-50 to -30	Z	12
25	-55 to -35		
26	-60 to -40		
27	-65 to -45		* Preferred Value
28	-70 to -50		
29	-75 to -55		