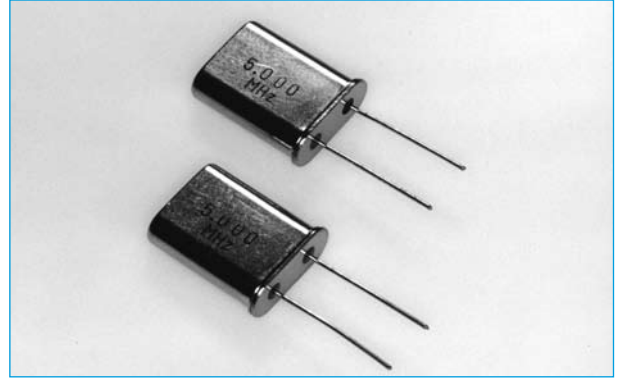


**CRYSTALS**

- Standard Frequencies available from stock
- Temperature ranges -20°C to +70°C or -40°C to 85°C
- Ageing ±5ppm/year max
- Available range 1.8432MHz - 125.000MHz

**RESISTANCE WELDED HOLDER DXT49**



**SPECIFICATION**

Frequency Range (Fo)	1.8432MHZ to 125.000MHZ	
Frequency Tolerance at 25°C	±30ppm (typ)*	±50ppm
Temperature Stability -20° + 70°	±50ppm (typ)*	±100ppm
Operating Temperature Range (TOPR)	20°C to 70°C	-40 °C to 85 °C
Storage Temperature Range (TSTG)	-40°C to 85°C	
Shunt Capacitance (Co)	7pF Max	
Load Capacitance (CL)	10 to 32pF or Series Resonant	
Insulation Resistance	500 Megohms Minimum at 100Vdc	
Drive Level	1mWatts Max	
Ageing (at 25°C)	±5ppm/year Max	

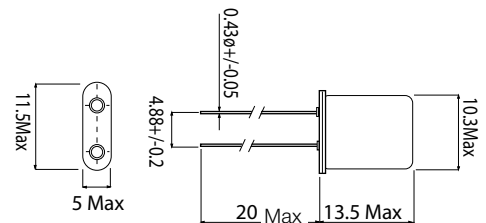
\*Other tolerance and temperatures available on request

**EQUIVALENT SERIES RESISTANCE (ESR)**

**MODE OF OPERATION (MODE)**

Frequency Range	Max ESR (Ω)	Mode
1.800MHz to 1.999MHz	650Max	Fundamental
2.000MHz to 2.999MHz	500Max	Fundamental
3.000MHz to 3.499MHz	250Max	Fundamental
3.500MHz to 3.999MHz	150Max	Fundamental
4.000MHz to 4.999MHz	100Max	Fundamental
5.000MHz to 5.999MHz	80Max	Fundamental
6.000MHz to 7.999MHz	50Max	Fundamental
8.000MHz to 12.999MHz	35Max	Fundamental
13.000MHz to 30.999MHz	25Max	Fundamental
24.000MHz to 29.999MHz	60Max	3 <sup>rd</sup> Overtone
30.00MHz to 80.000MHz	40Max	3 <sup>rd</sup> Overtone
70.000MHz to 125.000MHz	90Max	5 <sup>th</sup> Overtone

**OUTLINE DRAWING**



Dimensions in mm

**ORDERING INFORMATION**

DXT49	10.000	A	20		XX	XX
Series	Frequency MHz	Mode of Operation	Load Capacitance or Series Resistance	Packaging Blank = Std 3 = 3rd Lead I = Insulator Tab Lxx = Custom Lead Length TR = Tape and Reel	Options Frequency Tolerance ppm	Options Temperature Stability ppm
		A-AT Cut Fund T-3rd Overtone V-5th Overtone				