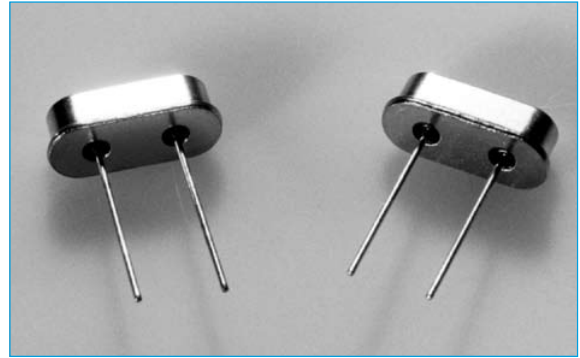


CRYSTALS

- Reduced size
- Frequency range 3.200MHz to 66.000MHz
- Temperature 0°C to 70°C
- Ageing +5ppm/year max

REDUCED HEIGHT DXT493



SECTION 2

SPECIFICATION

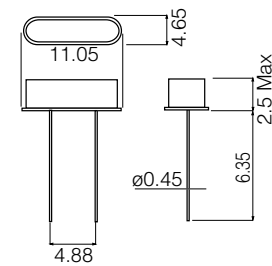
Frequency Range (Fo)	3.500MHZ to 66.000MHZ		
Frequency Tolerance at 25°C ±30°C	±50ppm (typ)	±30ppm	±50ppm
Temperature Stability (Ref to 25°C)	±50ppm (typ)	±50ppm	±100ppm
Operating Temperature Range (TOPR)	0°C to 70°C		
Storage Temperature Range (TSTG)	-40°C to 85°C		
Shunt Capacitance (Co)	7pF Max		
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		

EQUIVALENT SERIES RESISTANCE (ESR)

MODE OF OPERATION (MODE)

Frequency Range	Max ESR (Ω)	Mode
3.200MHz to 4.499MHz	150	Fundamental/AT
4.500MHz to 5.999MHz	120	Fundamental/AT
6.000MHz to 6.999MHz	100	Fundamental/AT
7.000MHz to 7.999MHz	90	Fundamental/AT
8.000MHz to 8.999MHz	80	Fundamental/AT
9.000MHz to 9.999MHz	60	Fundamental/AT
10.000MHz to 12.999MHz	50	Fundamental/AT
13.000MHz to 30.000MHz	40	Fundamental/AT
30.000MHz to 66.000MHz	80	3rd Overtone
27.000MHz to 40.000MHz	40	Fundamental/BT

OUTLINE DRAWING



Dimensions in mm

ORDERING INFORMATION

DXT493	10.000	A	20	XX
Series	Frequency MHz	Mode of Operation	Load Capacitance or Series Resistance	Options
		A-AT Cut Fund B-BT Cut Fund T-3rd Overtone		Blank = Std 3 = 3rd Lead I = Insulator Lxx = Custom, Lead Length TR = Tape and Reel