

FREQTECH[®]
your first and second source

FT12A



SPECIFICATION

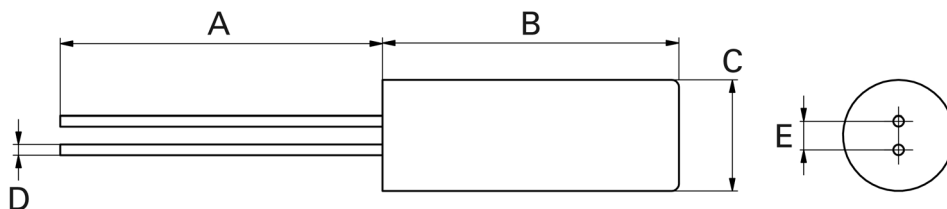
Frequency Range	Standard, Code 16	32.7680 kHz	TIMING QUARTZ CRYSTAL 6.3 x 2.1 MM
Operating Temperature Range	Available, Code 27	-10°C~60°C	
Storage Temperature Range		-20°C~70°C	
Drive Level		1.0 μW max.	
Frequency Tolerance @25°C		±10; ±20; ±100 ppm	
Parabolic Coefficient		-0.042ppm °C ² max.	
Load Capacitance (CL)		12.5 pF	
Motional Resistance (ESR)		50 kΩ max.	
Motional Capacitance		2 fF typ.	
Aging		±5 ppm / year max.	
Shunt Capacitance		0.85 pF typ.	
Reflow Soldering		10s max., 260°C twice or 180s @230°C once	
Packing Unit		1.000 pcs. / bag	

ORDERING KEY

Example: FT12A-32.7680/12.5-20/16

Type	- Frequency	/CL	-Frequency Tolerance	-Temperature Stability	/Temperature Code
FT12A	32.7680	Value in pF s for series	Value in ppm	Value in ppm	16 27

MECHANICAL DIMENSIONS (MM)



A	4.0 min.
B	6.3 max.
C	3.1 max.
D	0.2 ± 0.076 (2x)
E	0.8