

Specification

PART NO 7C16000183AKAF40Q5

1. Scope:

1.1 This specification applies to the RoHS/SONY compliance quartz crystal unit with a frequency of 16MHz which will be used in crystal oscillator applications.

2. Construction:

2.1 Type of Quartz Resonator: THHF-49S3 Standard leads

3. Electrical Characteristics

3.1 Nominal Frequency(f):	16,000,000	Hz
3.2 Load Capacitance(C_L):	18pF	
3.3 Frequency Tolerance($\Delta f/f$):	± 30 ppm	
3.4 Frequency Temperature Stability:	± 50 ppm	
3.5 Resonance Resistance(ohm):	40ohms Max	
3.6 Osc mode:	Fundamental mode	
3.7 Shunt Capacitance(C_0):	<7pF	
3.8 Drive Level(D_L):	< 100 μ W	
3.9 Operating Temperature Range(T_{OPR}):	-20 to + 70°C	
3.10 Operable Temperature Range(T_{OPRA}):	-25 to + 85°C	
3.11 Storage Temperature Range(T_{STG}):	-55 to + 125°C	
3.12 Insulation Resistance(IR):	>500 M ohms	
3.13 Aging(Δf_A):	± 5 ppm per Year	
3.14 Marking:	Q+16B000+DateCode+LotCode	
3.15 OTHERS:	Not recommended for safety applications	