Specification

PART NO 7C08000183AKAF70Q5

1. Scope:
1.1 This specification applies to the RoHS/SONY compliance quartz crystal unit with a frequency of 8MHz 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): 8,000,000 Hz
3.2 Load Capacitance(C_L): 18pF
3.3 Frequency Tolerance(Δf/f): ±30ppm
3.4 Frequency Temperature Stability: ±50ppm
3.5 Resonance Resistance(ohm): 70ohms Max
3.6 Osc mode: Fundamental mode
3.7 Shunt Capacitance(C_0): <7pF
3.8 Drive Level(D_L): <100μW
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): ±5ppm per Year
3.14 Marking: Q+8B000+DateCode+LotCode8

3.15 OTHERS: Not recommended for safety applications