

## Specification

PART NO 7C04000183AKAFA2Q5

### 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):	4,000,000	Hz
3.2 Load Capacitance( $C_L$ ):	18pF	
3.3 Frequency Tolerance( $\Delta f/f$ ):	$\pm 30$ ppm	
3.4 Frequency Temperature Stability:	$\pm 50$ ppm	
3.5 Resonance Resistance(ohm):	120ohms Max	
3.6 Osc mode:	Fundamental mode	
3.7 Shunt Capacitance( $C_0$ ):	<7pF	
3.8 Drive Level( $D_L$ ):	< 100 $\mu$ 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( $\Delta f_A$ ):	$\pm 5$ ppm per Year	
3.14 Marking:	Q+4B000+DateCode+LotCode4	
3.15 OTHERS:	Not recommended for safety applications	