

# Shoulder 好达

SHOULDER ELECTRONICS CO., LTD.

## CRYSTAL RESONATOR Data Sheet

PRODUCT 产品: CRYSTAL RESONATOR

MODEL NO 型号: SMD0705

PREPARED 编制: Fengyu

CHECKED 审核: York

APPROVED 批准:

DATE 日期: 2007-01-25

## 1. SPECIFICATION

FREQUENCY RANGE	10.000-80.000MHz
LOAD CAPACITANCE	10PF TO SERIES
FREQUENCY TOLERANCE AT 25°C	-/+30PPM MAXIMUM
FREQUENCY STABILITY AT -20 TO +70 °C	-/+30PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-10 TO +60 °C
STORAGE TEMPERATURE RANGE	-40 TO +85 °C
EQUIVALENT SERIES RESISTANCE (ESR)	SEE ESR TABLE
DRIVE LEVEL	1.0 mW MAXIMUM
SHUNT CAPACITANCE	7PF MAXIMUM
AGING	-/+5PPM PER YEAR
INSULATION RESISTANCE	500 MOhm MINIMUM

## 2. FREQUENCY RANGE AND OSCILLATION MODE

FUNDAMENTAL (F)	THIRD OVERTONE (3OT)
10.000-33.000MHz	33.000-80.000MHz

## 3. PART NUMBERING SYSTEM

HOLDER TYPE	FREQUENCY	MODE	LOAD CAPACITANCE	FREQUENCY TOLERANCE AT 25°C	FREQUENCY STABILITY AT -20 TO +70 °C
SMD0705	IN MHz	F 3OT	10 TO 33PF FOR PARALLEL S FOR SERIES	30 FOR -/+30PPM	30 FOR ± 30PPM

OPERATING TEMPERATURE RANGE	OPTIONS	
B FOR -10 TO +60 °C	T	TAPE AND REEL

FUNDAMENTAL MODE NOT NEEDED IN PART NUMBER

30PPM OF FREQUENCY TOLERANCE AND FREQUENCY STABILITY NOT NEEDED IN PART NUMBER

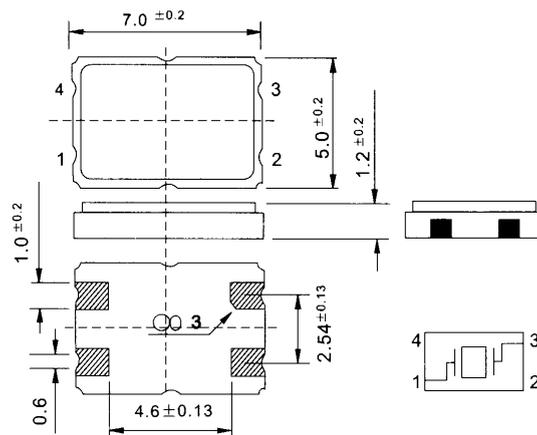
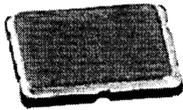
-10 TO +60 °C OF OPERATING TEMPERATURE RANGE NOT NEEDED IN PART NUMBER

TAPE AND REEL NOT NEEDED IN PART NUMBER

#### 4. ESR TABLE (Ohm)

10-33 MHz	33-80 MHz
40	80

#### 5. DIMENSIONS



① ③ X-Tal  
② ④ GND