# SERIES 7B, SEAM SEALED CERAMIC 5× 3.2mm SURFACE MOUNT PACKAGE

## FEATURE

Ultra small SMD type crystal units.

Leadless type.

High precision characteristic covering up to high frequency range.

Automatic mounting.

Emboss taping specification.

Reflow soldering.



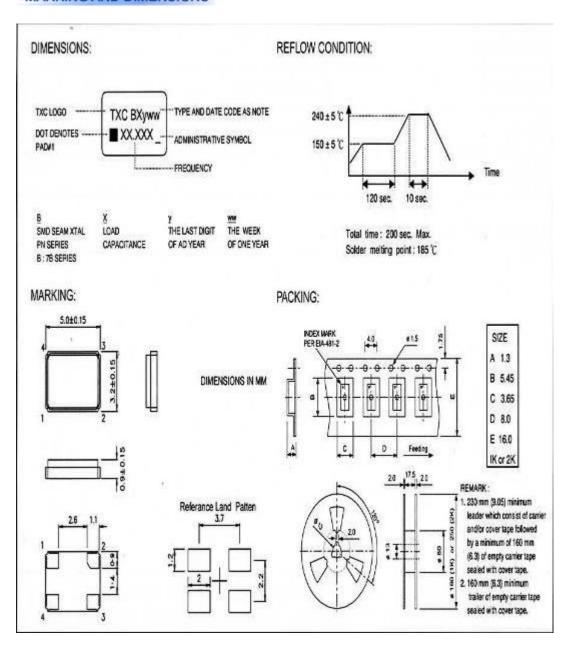
## **ELECTRICAL SPECIFICATIONS**

Frequency Range	13.000MHz~40.000MHz	
Frequency Tolerance (at 25 )	± 10ppm, ± 20ppm, ± 30ppm, or specify	
Frequency Stability Over Operating Temperature Range	-10 ~70 ±10ppm, -20 ~70 ±10ppm, -30 ~80 ±15ppm or specify	
Aging (at 25 )	± 1ppm, ± 3ppm/year Maximum	
Storage Temperature Range	-40 ~85	
Shunt Capacitance	5pF Maximum (2.0pF Typical)	
Drive Level	1uW~100uW (10uW Typical )	
Load Capacitance	Series, 16pF,20pF,30pF,32pF, or specify	

## EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION(MODE)

Frequency Range	E.S.R( )	Mode
13.000MHz~30.000MHz	30 Max.	Fundamental/ AT
30.000MHz~40.000MHz	50 Max.	Fundamental/ AT

### MARKING AND DIMENSIONS



REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.