

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 °C)	± 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 °C)	± 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(Ω)	Mode
13.000MHz~30.000MHz	30 Max.	Fundamental/ AT
30.000MHz~40.000MHz	50 Max.	Fundamental/ AT

DIMENSIONS:

TXC LOGO

TXC Bx_yww

TYPE AND DATE CODE AS NOTE

DOT DENOTES PAD#1

XX.XXX

ADMINISTRATIVE SYMBOL

FREQUENCY

B	X	Y	ww
SMD SEAM XTAL	LOAD	THE LAST DIGIT	THE WEEK
PN SERIES	CAPACITANCE	OF AD YEAR	OF ONE YEAR
B: 76 SERIES			

REFLOW CONDITION:

240 ± 5 °C

150 ± 5 °C

120 sec.

10 sec.

Time

Total time : 200 sec. Max.
Solder melting point : 185 °C

MARKING:

5.0 ± 0.15

3.2 ± 0.15

0.9 ± 0.15

1.75

DIMENSIONS IN MM

PACKING:

INDEX MARK PER EIA-481-2

1.75

0.5

A

B

C

D

E

Feeding

SIZE

A 1.3

B 5.45

C 3.65

D 8.0

E 16.0

IK or 2K

Reference Land Pattern

3.7

2.0

2.2

2.0

1.60

2.0

1.75

2.0

REMARK:

1. 230 mm (9.05) minimum leader which consist of carrier and/or cover tape followed by a minimum of 160 mm (6.3) of empty carrier tape sealed with cover tape.
2. 160 mm (6.3) minimum trailer of empty carrier tape sealed with cover tape.