

# 9B-6.000MAAJ-B Datasheet

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DiGi Electronics Part Number	9B-6.000MAAJ-B-DG
Manufacturer	<a href="#">TXC CORPORATION</a>
Manufacturer Product Number	9B-6.000MAAJ-B
Description	CRYSTAL 6.0000MHZ 18PF TH
Detailed Description	6 MHz ±30ppm Crystal 18pF 80 Ohms HC-49/US

This model 9B-6.000MAAJ-B is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

9B-6.000MAAJ-B

Series:

9B

Type:

MHz Crystal

Frequency Stability:

±30ppm

Load Capacitance:

18pF

Operating Mode:

Fundamental

Ratings:

-

Package / Case:

HC-49/US

Height - Seated (Max):

0.145" (3.68mm)

Manufacturer:

TXC CORPORATION

Product Status:

Obsolete

Frequency:

6 MHz

Frequency Tolerance:

±30ppm

ESR (Equivalent Series Resistance):

80 Ohms

Operating Temperature:

-20°C ~ 70°C

Mounting Type:

Through Hole

Size / Dimension:

0.453" L x 0.197" W (11.50mm x 5.00mm)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Affected

HTSUS:

8541.60.0050

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

# Quartz Crystals



DIP HC-49S 9B SERIES



## Features

- > Resistance welded type crystal units.
- > A great number of standard frequencies.
- > Higher frequency pullability and lower equivalent series resistance.
- > Lower cost and highly mass production capability.
- > The best choice of TV, STB, LCDM and Cable Modem.
- > RoHS Compliant / Pb Free

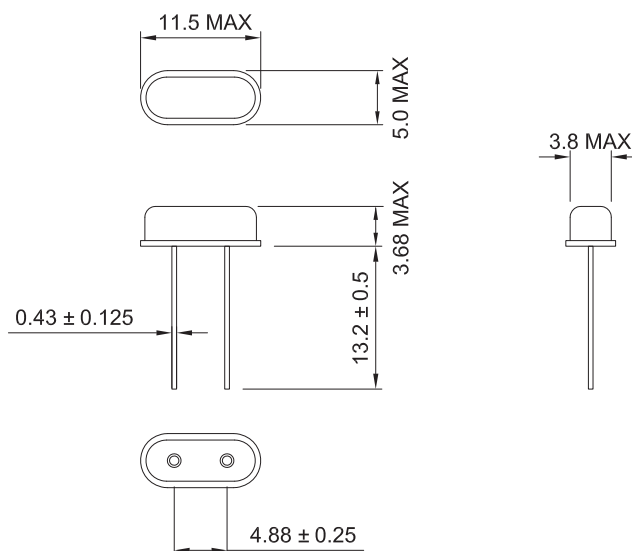
## Electrical Specifications

Item / Type	9B
Frequency Range	3.2 ~ 90 MHz
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm (- 20 ~ +70 °C), or specify
Operating Temperature Range	- 20 ~ +70 °C
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 μW (100 μW typical)
Load Capacitance	18 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C

## Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
3.2 ~ 3.686 MHz	200 Ω Max.	27 ~ 30 MHz	100 Ω Max.
3.686 ~ 5 MHz	150 Ω Max.	30 ~ 50 MHz	80 Ω Max.
5 ~ 10 MHz	80 Ω Max.	50 ~ 90 MHz	60 Ω Max.
10 ~ 14 MHz	40 Ω Max.		
14 ~ 30 MHz	30 Ω Max.		

## Dimensions



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.

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