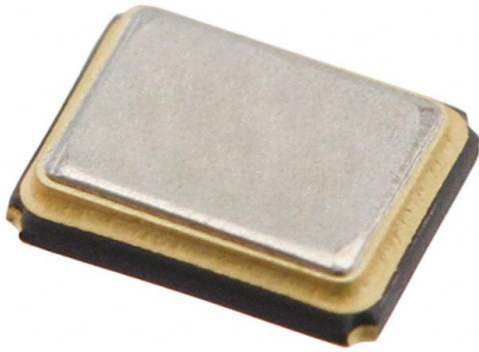


AM-16.000MDNE-T Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	AM-16.000MDNE-T-DG
Manufacturer	TXC CORPORATION
Manufacturer Product Number	AM-16.000MDNE-T
Description	CRYSTAL 16.0000MHZ 12PF SMD
Detailed Description	16 MHz ±30ppm Crystal 12pF 100 Ohms 4-SMD, No Lead

This model AM-16.000MDNE-T is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

AM-16.000MDNE-T

Series:

AM

Type:

MHz Crystal

Frequency Stability:

±50ppm

Load Capacitance:

12pF

Operating Mode:

Fundamental

Ratings:

AEC-Q200

Package / Case:

4-SMD, No Lead

Height - Seated (Max):

0.031" (0.80mm)

Manufacturer:

TXC CORPORATION

Product Status:

Active

Frequency:

16 MHz

Frequency Tolerance:

±30ppm

ESR (Equivalent Series Resistance):

100 Ohms

Operating Temperature:

-40°C ~ 125°C

Mounting Type:

Surface Mount

Size / Dimension:

0.126" L x 0.098" W (3.20mm x 2.50mm)

Environmental & Export classification

RoHS Status:

RoHS Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.60.0050

SMD Seam Sealing Crystals 3.2 x 2.5 x 0.7 mm AM Series

Features

- Reliable seam sealed ceramic package.
- Wide operating temperature range.
- Superior performance and stringent reliability in harsh environment.
- Application: TPMS, ECM, ABS and sensor modules.
- Compact size.
- RoHS Compliant / Pb Free.

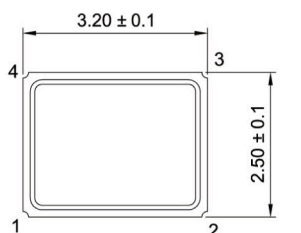
Electrical Specifications

Item / Type	AM
Frequency Range	10 ~ 48 MHz
Overtone	Fundamental
Frequency Tolerance (at 25 °C)	± 30 ppm
Frequency Stability	± 50 ppm Max. (- 40 ~ + 85 °C)
Operating Temperature Range	- 40 ~ +125 °C
Drive Level	10 μW (typical) ; 100 μW (Max.)
Load Capacitance	12 pF, or specify
Storage Temperature Range	- 40 ~ +125 °C
Reliability Standard	AEC-Q200 VER.C

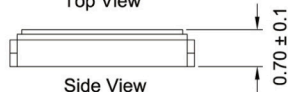
Equivalent Series Resistance(ESR)

Fundamental	
10 ~ 12 MHz	180 Ω Max.
12 ~ 20 MHz	100 Ω Max.
20 ~ 30 MHz	80 Ω Max.
30 ~ 48 MHz	60 Ω Max.

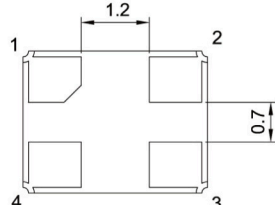
Dimensions



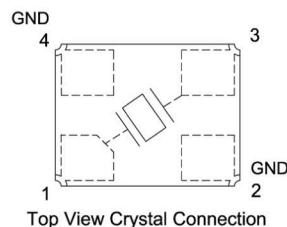
Top View



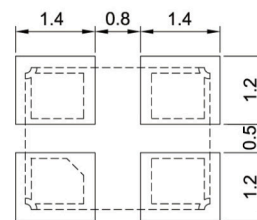
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

Units: mm

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