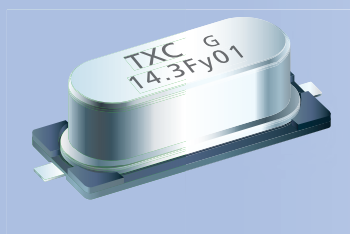




THE DATASHEET OF 9C25000131

Metal Can Type Crystals HC-49S SMD 9C Series

Think of Frequency Think of **TXC**
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Features

- Surface mount type crystal units.
- A great number of standard frequencies.
- High frequency pullability and low equivalent series resistance.
- Highly mass production capability.
- The best choice of PC, STB, LCDM, and Cable Modem.
- RoHS Compliant / Pb Free.

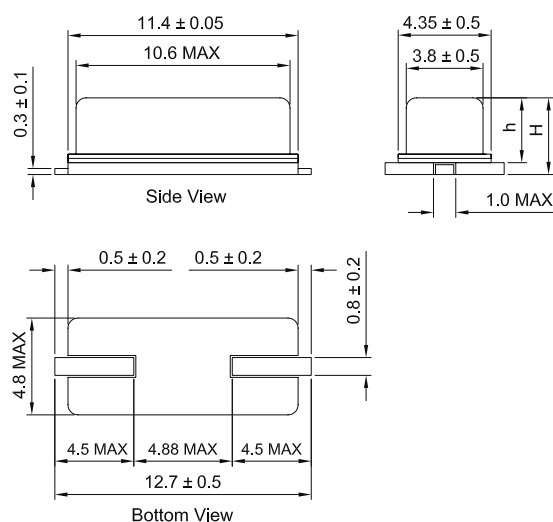
Electrical Specifications

Item / Type	9C
Frequency Range	3.2 ~ 90 MHz
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify
Operating Temperature Range	- 20 ~ + 70 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 μW (100 μW typical)
Load Capacitance	Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify
Aging (at 25 °C)	± 5 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C

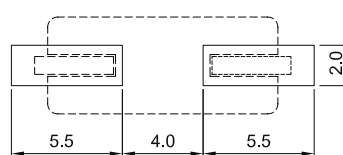
Equivalent Series Resistance(ESR)

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



TYPE	H (SMD HIGH)	h (BODY HIGH)
S3	3.8 ± 0.3	3.3 ± 0.3
S2	3.0 ± 0.3	2.3 ± 0.3



Top View Suggested Layout

Units: mm

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 [TXC CORPORATION](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
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-  Alternative Solution
-  Excess Inventory Management