

**SWISSDIS**



Swissdis AG  
Grasweg 7  
CH-4911 Schwarzhäusern

Tel.: +41 62 919 44 00  
Fax: +41 62 919 44 01  
[info@swissdis.ch](mailto:info@swissdis.ch)  
[www.swissdis.ch](http://www.swissdis.ch)



# SPECIFICATIONS

Crystals ASX

**ASX7F-Serie**

Version August 2020

# ASX7F

## 7x5mm Surface Mount Ceramic Crystal Units



### Applications:

- Digital Cellular Telephone
- GPS
- Wireless LAN
- Notebook PC
- POS
- Bluetooth
- Consumer Electronics
- Digital Camera

### FEATURES

- Seam Seal
- Excellent Vibration Resistance & Shock Resistance
- Excellent Solderability
- Excellent Thermal Hysteresis
- High Frequency Stability
- RoHS/REACH Compliant

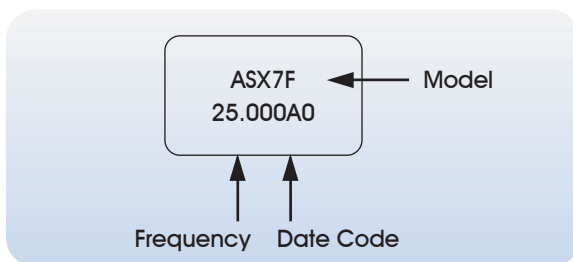
### SPECIFICATION

MODEL		ASX7F	
Frequency			
Frequency Range (Fundamental)	MHz	6.000 ~ 50.000	
Frequency Range (3rd overtone)		40.000 ~ 133.000	
Frequency Tolerance (25°C)	ppm	± 10 ~ ± 50	
Frequency Stability (Ref to 25°C)	ppm	± 15 ~ ± 100	± 50 ~ ± 100
Environmental Condition			
Operating Temperature Range	°C	-40 to +125 or Specify	-55 ~ +125
Storage Temperature Range	°C	- 55 to + 125	
Aging	ppm/Year	± 3	
Electrical Specifications			
Test Circuit		S&A 350A with $\pi$ Fixture	
Load Capacitance (CL)	pF	6pF ~ Series (Customer Specified)	
Drive Level	uW	10, 30, 50, 100, 200, 500 or special requirement	
Equivalent Series Resistance	$\Omega$	see table	
Shunt Capacitance (Co)	pF	7.0 (Max)	

### EQUIVALENT SERIES RESISTANCE ( $\Omega$ )

Frequency (MHz)	Mode	Max ESR ( $\Omega$ )
6.000 ~ 7.999	Fundamental	70
8.000 ~ 9.999	Fundamental	40
10.000 ~ 14.999	Fundamental	35
15.000 ~ 39.999	Fundamental	30
40.000 ~ 50.000	Fundamental	20
40.000 ~ 79.999	3rd overtone	70
80.000 ~ 133.000	3rd overtone	60

### MARKING RULE



### DIMENSION (mm)

