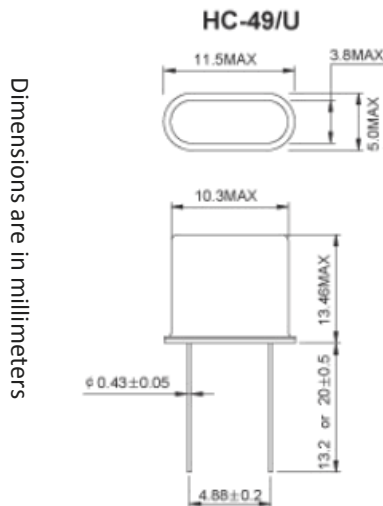


## CFA Series Crystal

11.5x5.0x13.46  
HC-49/U  
RoHS Compliant  
1.8432 to 85.000MHz

## Mechanical Dimensions



## Electrical Specifications

|                             |  |                                           |
|-----------------------------|--|-------------------------------------------|
| Frequency Range             |  | 1.8432MHz to 85.000MHz                    |
| Operating Temperature Range |  | -10° to 60°C, -20 to 70°C or -40° to 85°C |
| Storage Temperature Range   |  | -55°C to 125°C                            |
| Aging                       |  | ±5ppm / Year Max                          |
| Shunt Capacitance           |  | 7pF Max                                   |
| Insulation Resistance       |  | 500 MΩ@ DC100V                            |

| Frequency              | ESR  | Mode           |
|------------------------|------|----------------|
| 1.8432MHz to 1.999MHz  | 600Ω | Fundamental    |
| 2.000MHz to 2.999MHz   | 500Ω | Fundamental    |
| 3.000MHz to 3.499MHz   | 150Ω | Fundamental    |
| 3.500MHz to 3.999MHz   | 120Ω | Fundamental    |
| 4.000MHz to 4.999MHz   | 100Ω | Fundamental    |
| 5.000MHz to 5.999MHz   | 80Ω  | Fundamental    |
| 6.000MHz to 6.999MHz   | 60Ω  | Fundamental    |
| 7.000MHz to 7.999MHz   | 50Ω  | Fundamental    |
| 8.000MHz to 9.999MHz   | 40Ω  | Fundamental    |
| 10.000MHz to 12.999MHz | 30Ω  | Fundamental    |
| 13.000MHz to 30.000MHz | 25Ω  | Fundamental    |
| 24.000MHz to 29.999MHz | 60Ω  | Third Overtone |
| 30.000MHz to 85.000MHz | 40Ω  | Third Overtone |

## Part Numbering Guide

CFA 18 B 2 A -25.000MHz-T

**Series**  
CFA

**Load Capacitance**  
S = Series Resistance  
XX = XXpF

**Tolerance / Stability**  
A = 50/100ppm  
B = 50/50ppm  
C = 30/50ppm  
D = 15/30ppm  
E = 10/15ppm

**Packaging Options**  
Blank = Bulk  
T = Tape & Reel

**Center Frequency**

**Mode Of Operation**  
A = Fundamental  
B = Third Overtone

**Operating Temp Range**  
1 = -10°C to 60 °C  
2 = -20°C to 70°C  
3 = -45°C to 85°C

## Part Marking

|                                                      |            |
|------------------------------------------------------|------------|
| Line 1                                               | CFP XX.XXX |
| XX.XXX = Frequency                                   |            |
| Line 2                                               | XX YY ZZ   |
| XX = Internal Code<br>YY = Week of Year<br>ZZ = Year |            |