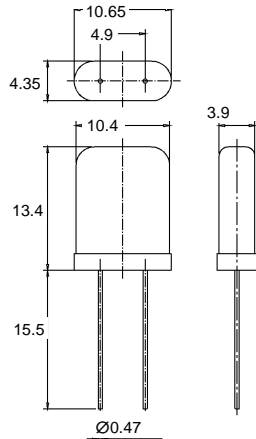


Quartz Crystal Units AT-Cut, 3 - 300 MHz



All dimensions in mm (max)

DIN 45110: R2A
 IEC 122-3: CY
 NFC-93-601: n^o 10
 MIL-H-10056: HC-26/U
 Vacuum sealed glass enclosure
 with wire leads
**Quartz crystal units
 with aging < ± 1ppm**

HC-26/U			Temperature Stability in the Temperature Range						Nom. Temp. ± 5°C ¹⁾
			-55°C...+105°C		-20°C...+70°C				
Overtone	Frequency [MHz]	Type	± 50ppm	± 25ppm	± 20ppm	± 10ppm	± 7ppm	± 5ppm	± 2ppm
1.OT	3...5.2	XS 35xxx	01C	02C	03C	04C	06C	-----	05C
	5.2...10	XS 35xxx	01C	02C	13C	14C	16C	17C	15C
	10...35	XS 36xxx	01C	02C	03C	04C	06C	07C	05C
3.OT	20...100	XS 37xxx	01C	02C	03C	04C	06C	07C	05C
5.OT	50...160	XS 38xxx	01C	02C	03C	04C	06C	07C	05C
7.OT	110...210	XS 39xxx	01C	02C	03C	04C	06C	07C	05C
9.OT	150...300	XS 39xxx	11C	12C	13C	14C	16C	17C	15C

Calibration tolerance: ± 10 ppm

¹⁾ Nom. Temp. = Nominal temperature for oven application to be given with the order.

Motional Resistance R1

Overtone	Frequency [MHz]	R1max [Ω]
1. OT	3...5.2	60
1. OT	5.2...8	30
1. OT	8...15	20
1. OT	15...35	15
3. OT	20...100	30
5. OT	50...160	50
7. OT	110...210	100
9. OT	150...300	180

Standard resonance for fundamental crystals: load resonance with $C_L = 30 \pm 0.5\text{pF}$
 Overtone crystals: series mode
 Shunt capacitance: $C_0 = 7\text{pF max}$

Crystal units with different tolerances or additional data upon request.



**VECTRON
 INTERNATIONAL**
 A DOVER TECHNOLOGIES COMPANY

166 Glover Avenue
 Norwalk, CT 06856

Tel: 1-88-VECTRON-1
 Fax: 1-888-FAX-VECTRON
 www.vectron.com