



Wiltronics Research Pty. Ltd.
Trading as

K&W Electronic Products

ABN 26 052 173 154

HC49/US

Features :

- Resistance Welded Case.
- Wide range of frequencies available.

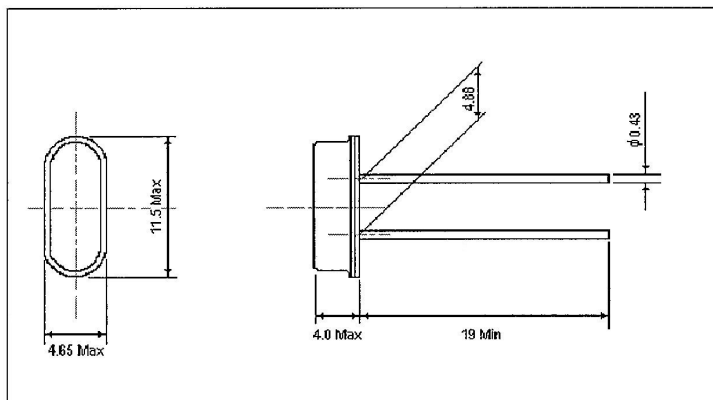
Applications :

- Can be used for a wide range of applications including AV, Communication and Measuring Equipment.

Standard Specifications :

	HC49/US		Conditions
Nominal Frequency	f_o	3.579MHz ~ 70MHz	Please Specify
Frequency Tolerance	$\Delta f/f_o$	± 30 ppm Typ.	@ 25°C Reference Temperature
Frequency V's Temperature Characteristics	$\Delta f/f_o$	± 50 ppm Typ.	See Frequency V's Temperature Curve Ref : -20°C ~ +70°C
Operating Temperature Range	T_{opr}	-20°C ~ +70°C	
Storage Temperature Range	T_{stg}	-40°C ~ +85°C	
Equivalent Series Resistance	R_1	AT Cut Fund. $3.579\text{MHz} \leq f_o < 4.0\text{MHz}$	150Ω Max.
		AT Cut Fund. $4.0\text{MHz} \leq f_o < 5.0\text{MHz}$	120Ω Max.
		AT Cut Fund. $5.0\text{MHz} \leq f_o < 6.0\text{MHz}$	100Ω Max.
		AT Cut Fund. $6.0\text{MHz} \leq f_o < 10.0\text{MHz}$	80Ω Max.
		AT Cut Fund. $10.0\text{MHz} \leq f_o < 14.0\text{MHz}$	60Ω Max.
		AT Cut Fund. $14.0\text{MHz} \leq f_o < 29.0\text{MHz}$	50Ω Max.
		BT Cut Fund. $29.0\text{MHz} \leq f_o < 40.0\text{MHz}$	40Ω Max.
		AT Cut 30/T $24.0\text{MHz} \leq f_o < 40.0\text{MHz}$	100Ω Max.
		AT Cut 30/T $40.0\text{MHz} \leq f_o < 70.0\text{MHz}$	100Ω Max.
Load Capacitance	C_L	16pF Typ.	Please Specify
Shunt Capacitance	C_0	7.0pF Max.	
Drive Level	DL	100μW	
Aging	$\Delta f/f_o$	± 5 ppm Max	25°C±3°C
Shock Resistance		± 10 ppm Max Drop test of 3 times on a hard board from 75cm height or shock test of 3000Gx0.3ms x 1/2sin wave x 3 directions	Conditions vary depending on the frequency.

Dimensions (mm) :



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