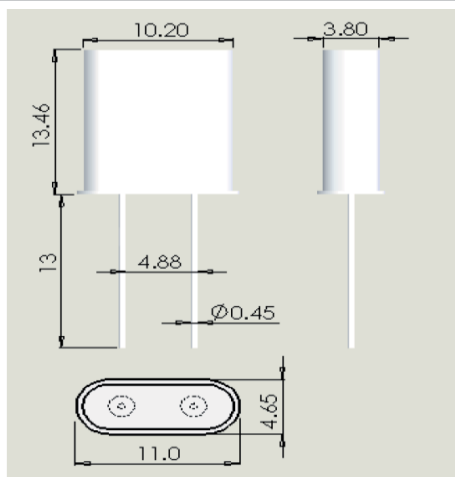


IC 25



Quartz Crystal Unit HC 49U Thru-Hole

Dimensions l/w/h in mm (max)	11,0 x 4,6 x 13,5	
Frequency	1,80 MHz to 150,0 MHz	
Operating Temperature	Refer to Ordering Guidance	
Frequency Tolerance at 25°C	Refer to Ordering Guidance	
Frequency Stability in Operating Temp. Range	Refer to Ordering Guidance	
Storage Temperature	-55°C to +125°C	
Load Capacitance (CL)	16pF/ 18pF/ 20pF/ 30pF/ 32pF or series	
Shunt Capacitance (C0)	7,0 pF max.	
Series Resonance (R1)	1,80 MHz ~ 1,999 MHz	750 Ohm
	2,00 MHz ~ 2,399 MHz	500 Ohm
	2,40 MHz ~ 3,1999 MHz	300 Ohm
	3,20 MHz ~ 4,199 MHz	100 Ohm
	4,20 MHz ~ 4,899 MHz	70 Ohm
	4,90 MHz ~ 5,999 MHz	50 Ohm
	6,00 MHz ~ 9,999 MHz	40 Ohm
	10,00 MHz ~ 15,999 MHz	30 Ohm
	16,00 MHz ~ 35,000 MHz	20 Ohm
	20,00 MHz ~ 24,999 MHz	60 Ohm (3 rd OT)
	25,00 MHz ~ 100,00 MHz	40 Ohm (3 rd OT)
	60,00 MHz ~ 79,999 MHz	80 Ohm (5 th OT)
	80,00 MHz ~ 150,00 MHz	60 Ohm (5 th OT)
Drive Level μ W	100 typ., 500 max	
Aging (df/F) first year at 25°C	\pm 3 ppm	



Ordering Guidance

IC - Quartz																											
QS-Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
QS- Eingabe/Enter:	I	C	1	3	0	3	2	,	7	6	8	M	1	2	,	5	A	B	1	B							
Bezeichnung/Indic.:	Gruppe		Grösse		Frequ./FRQ/Fliesskomma							Hz	Load/CL/uF			Fto	Fst	OM	TR								
IC-Applications: Portable instruments Industrial products Battery powered prod.	IC Quartz		Size code + packg. code 1-13 = 3K/RL, ab 14 = 1K/RL									H/K/M/G			F.tol. at 25° in ppm			F.stab. in Operating Temp. Range		Oscillation Mode		oper. Temp. in °C					
																								A	10	A	10
																								B	15	B	15
																								C	20	C	20
																								D	25	D	25
																								E	30	E	30
																								F	50	F	50
																								G	100	G	100
																										H	-0,034
																										I	-0,042
												1 Fund		3 3rd OT		5 5th OT											
												A 0°C to +70°C		B -20°C to +70°C		C -10°C to +60°C		D -10°C to +70°C		E -40°C to +85°C		F -45°C to +125°C		G best			

