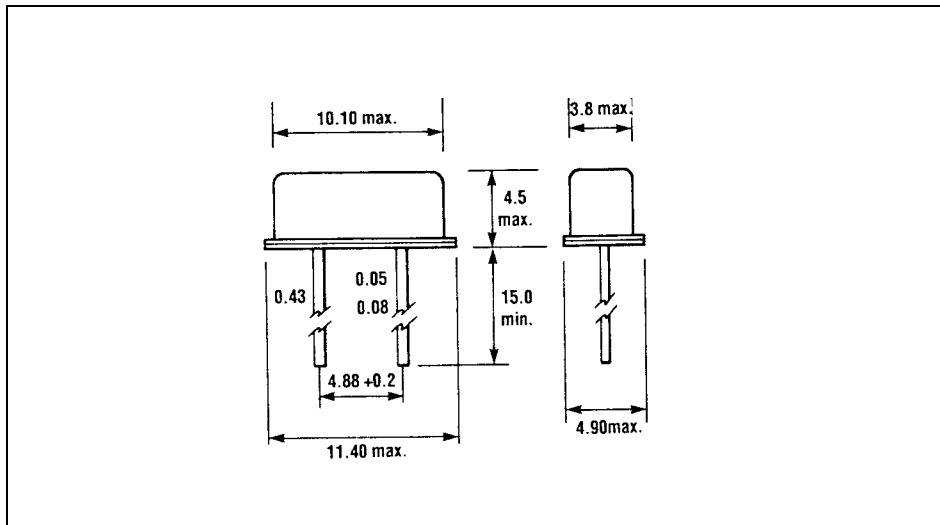


ACT HC-49/U4mm

Quartz Crystal-Low Profile

Dimensions (mm):



Specification (characteristics):

PARAMETERS	SPECIFICATIONS		CONDITIONS
Frequency Range	Fo	3.20MHz – 72.00MHz	
Frequency Mode		Fundamental / 3 rd Overtone	
Frequency Tolerance	$\Delta f/f_0$	$\pm 5\text{ppm}$, $\pm 10\text{ppm}$, $\pm 15\text{ppm}$, $\pm 30\text{ppm}$, $\pm 50\text{ppm}$, $\pm 100\text{ppm}$	@ 25°C,
Operating Temperature	Topr	-10°C to +70°C Typical	
Storage Temperature	Tstg	-40°C to +85°C	
Temperature Stability	$\Delta f/f_0$	$\pm 5\text{ppm}$, $\pm 10\text{ppm}$, $\pm 15\text{ppm}$, $\pm 30\text{ppm}$, $\pm 50\text{ppm}$, $\pm 100\text{ppm}$	Over -20°C to +70°C,
Equivalent Series Resistance	R1	See Table below	
Load Capacitance	CL	12-32pF	Please specify
Shunt Capacitance	Co	7pF Max.	
Drive Level	DL	1.0mW $\pm 0.2\text{mW}$	
Insulation Resistance	IR	500M Ω	@ DC100V
Ageing (First Year)	Fa	$\pm 5\text{ppm max}$	@ 25°C

Frequency (MHz)	ESR (W) Max	Mode
3.2-3.50	300	Fund.
3.579545-3.6864	150	Fund.
4.0-4.433619	120	Fund.
4.608-5.120	100	Fund.
6.0-6.14	70	Fund.
6.750-8.00	60	Fund.
9.216-9.8304	50	Fund.
10.0-12.288	40	Fund.
14.31818-32.0	40	Fund.
25-30	150	3 rd OT
30-50	100	3 rd OT
50-72	80	3 rd OT