Transko

HC49/S

RoHS Compliant

STANDARD HC49/S THROUGH HOLE CRYSTAL (11.5 x 4.7 x 3.5mm)

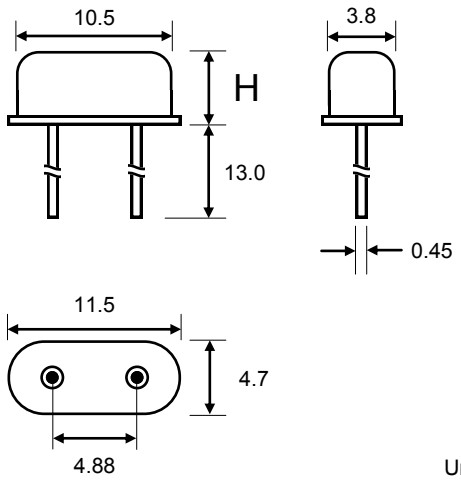
FEATURES:

- WIDE FREQUENCY RANGE
- LOW COST / AT CUT
- LOW PROFILE

■ SPECIFICATION

FREQUENCY RANGE	3.000MHz ~ 150.000MHz	
FREQUENCY TOLERANCE @ 25°C	±10ppm ~ ±50ppm (See P/N guide for other options)	
FREQUENCY STABILITY	±10ppm ~ ±50ppm (See P/N guide for other options)	
OPERATING TEMPERATURE RANGE	STD: -10°C to 70°C, Option: -40°C to 85°C (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-55°C to 125°C	
LOAD CAPACITANCE	STD: 18pF (See P/N guide for other options)	
SHUNT CAPACITANCE	7pF max.	
INSULATION RESISTANCE	500MΩ min. @ $100V_{DC}$ ± $15V_{DC}$	
DRIVE LEVEL	1.0mW max.	
AGING	±3.0ppm / 1st year max.	
SHOCK	±3.0ppm max. ±3Ω max.	
VIBRATION	±3.0ppm max. ±3Ω max.	
EQUIVALENT SERIES RESISTANCE	**Fundamental:**	3.000MHz ~ 6.000MHz: 150Ω max. 6.001MHz ~ 8.000MHz: 60Ω max. 8.001MHz ~ 16.000MHz: 50Ω max. 16.001MHz ~ 54.000MHz: 30Ω max.
	3rd overtone:	24.000MHz ~ 36.000MHz: 100Ω max. 36.001MHz ~ 150.000MHz: 70Ω max.
OPERATION MODE	Fundamental or 3rd overtone	

■ PACKAGE DIMENSIONS



Unit : mm

Height "H" max.	
PKG	mm
A	5.08
B	4.20
C	3.50
D	2.50

■ PART NUMBERING GUIDE

HC49/S – A – F – 18 – 30 – – 13.000M

Package Height
- **A:** 5.08mm max
- **B:** 4.20mm max
- **C:** 3.50mm max
- **D:** 2.50mm max

Mode
- **F:** Fundamental
- **T:** 3rd overtone

Load Capacitance
- **S:** Series **18:** 18pF
- **08:** 8pF **20:** 20pF
- **10:** 10pF **22:** 22pF
- **12:** 12pF **28:** 28pF
- **16:** 16pF **32:** 32pF

Tolerance
- **50:** ± 50ppm / ± 100ppm
- **30:** ± 30ppm / ± 50ppm
- **25:** ± 25ppm / ± 30ppm
- **20:** ± 20ppm / ± 25ppm
- **10:** ± 10ppm / ± 20ppm
- **X:** Custom range

Operating Temperature:
- **Blank:** -10°C to 70°C
- **K:** -20°C to 70°C
- **L:** -30°C to 75°C
- **ET:** -40°C to 85°C
- **MT:** -55°C to 125°C

Frequency
- **M:** MHz

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