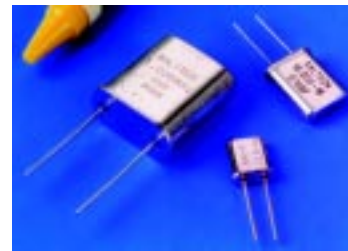


● FEATURES

- EXCELLENT CLOCK SIGNAL GENERATOR FOR CPU'S
- WIDE FREQUENCY RANGE
- INDUSTRY STANDARD PACKAGES

● SPECIFICATIONS

FREQUENCY RANGE		100.00 KHz TO 300.00 MHz
HOLDER TYPES	A: HC-49/U	1.00 MHz TO 300.00 MHz
	B: HC-51/U	100.00 KHz TO 4.00 MHz
	C: UM-1	8.00 MHz TO 300.00 MHz
FREQUENCY TOLERANCE AT 25°C		±30 PPM TYPICAL ±50 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE		±50 PPM TYPICAL ±100 PPM MAXIMUM
OPERATING TEMPERATURE RANGE		-20° C TO +70° C STANDARD
		-40° C TO +85° C EXTENDED
STORAGE TEMPERATURE RANGE		-55° C TO +125° C
AGING		±5 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE		10 TO 32 pF 0R SERIES
SHUNT CAPACITANCE		7 pF MAXIMUM
EQUIVALENT SERIES RESISTANCE (ESR)		SEE PAGE 3
DRIVE LEVEL		0.1 mW TYPICAL 1 mW MAXIMUM
SHOCK RESISTANCE		±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 1000 g's x 0.5 ms x ½ SINEWAVE IN 3 AXES



● FREQUENCY RANGE AND MODE OF OSCILLATION BY HOLDER TYPE

HOLDER TYPE	FUNDAMENTAL (FUND)	THIRD OVERTONE (3OT)	FIFTH OVERTONE (5OT)	SEVENTH OVERTONE (7OT)	NINTH OVERTONE (9OT)
TYPE A: HC-49/U	1.00 MHz TO 65.00 MHz	20.00 MHz TO 90.00 MHz	60.00 MHz TO 130.00 MHz	125.00 MHz TO 200.00 MHz	180.00 MHz TO 300.00 MHz
TYPE B: HC-51/U	100.00 KHz TO 4.00 MHz				
TYPE C: UM-1	8.00 MHz TO 65.00 MHz	25.00 MHz TO 90.00 MHz	60.00 MHz TO 130.00 MHz	125.00 MHz TO 200.00 MHz	180.00 MHz TO 300.00 MHz

● PART NUMBERING SYSTEM

HOLDER TYPE		-	FREQUENCY	-	LOAD CAPACITANCE		-	MODE		-	EXTENDED TEMPERATURE
A B C	HC-49/U HC-51/U UM-1		IN MHZ		10 TO 32pF FOR PARALLEL S FOR SERIES	FUND 3OT 5OT 7OT 9OT		FUNDAMENTAL† THIRD OVERTONE FIFTH OVERTONE SEVENTH OVERTONE NINTH OVERTONE	EXT		

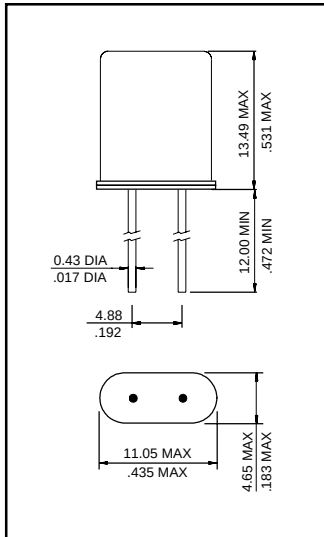
MECHANICAL OPTIONS					-	TAPE AND REEL
THREE PIN BASE	-	THIRD LEAD (TOP OF HOUSING)	-	SPACER		-
3PIN		3RD		SP	SL	

† FUNDAMENTAL MODE NOT NEEDED IN PART NUMBER

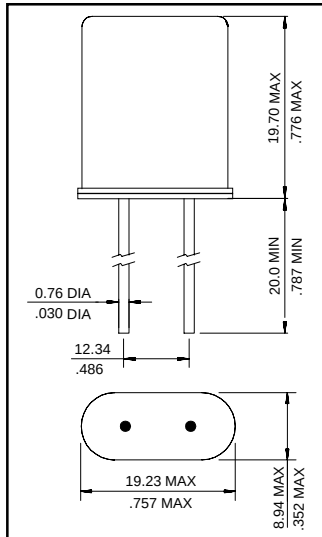
EXAMPLE: A-4.000-S

A-3.579545-18-EXT-3PIN-SP-SL-T

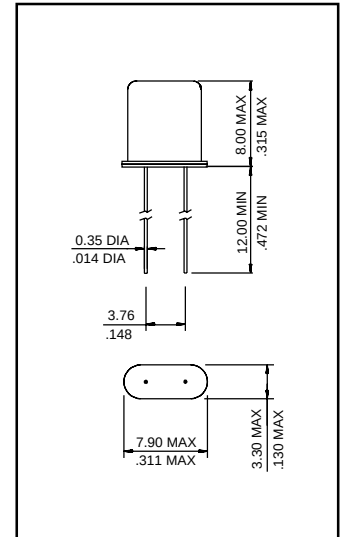
C-65.000-S-30T



TYPE A (HC-49/U)



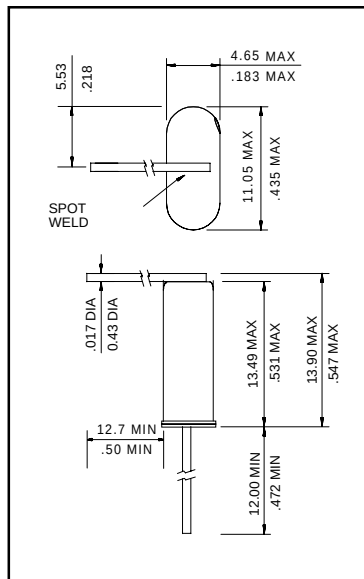
TYPE B (HC-51/U)



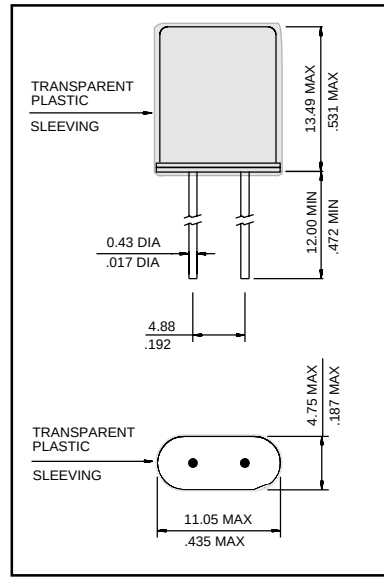
TYPE C (UM-1)

PACKAGE OPTIONS

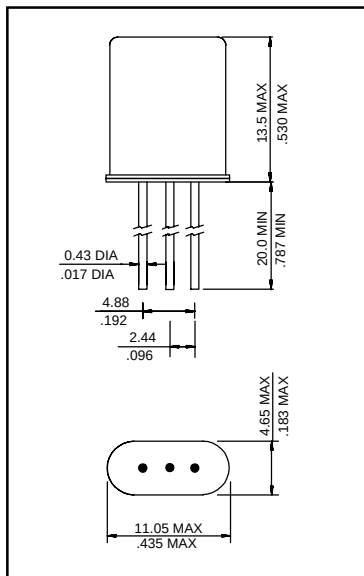
Scale none Dimension in mm
inch



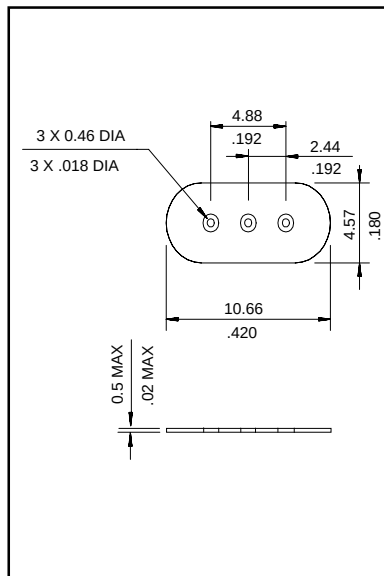
THIRD LEAD OPTION: 3RD



PLASTIC SLEEVE OPTION: SL



3 LEAD BASE OPTION: 3PIN



PLASTIC SPACER OPTION: SP