

MONICOR

ELECTRONIC CORP.

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FCC ID: GES4BAM2000T
EXHIBIT #: 8

Crystal Specification
3rd Overtone Crystal
September 20, 1995
Rev A

Frequency Range: 53.575 MHz to 58.75 MHz or as specified by PO

Temperature Range: -10 to +60 degrees C

Mode: 3rd overtone

Frequency Tolerance (at 25 +/- 3 degrees C): +/- 10 ppm

Frequency Stability (over temperature range): +/- 8ppm -30 to +60 degrees C

Package: HC-45/U or UM-1

Resistance: 45 ohms

Load Capacitance: Series mode

Case Capacitance: 7 pf maximum

Drive Level: 1 mW nominal

Modulation: +/- 12 ppm (Modulation Range)

Aging: +/- 2 ppm/year maximum

Monicor Part Numbers:

10000-378-XXX Crystal, 3rd OT, series UM-1 Tx

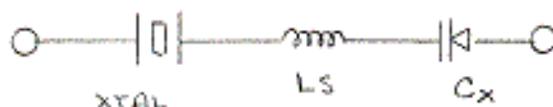
10001-378-XXX Crystal, 3rd OT, series UM-1 Rx

Modulation Characteristics:

For transmit crystals in the frequency range of 57.18 MHz through 58.74 MHz, per Monicor part number 10000-398-XXX, the modulation specs are as follows:

Modulation: +/- 12ppm, $L_s = 750 \text{ nH}$, $C_x = 6.5\text{-}30\text{pf}$. $C_{\text{montional}} \geq 1.2\text{pf}$.

Schematic:



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