



~~TOP SECRET~~ [ ]  
AMERICAN ELECTRONIC LABORATORIES, INCORPORATED

121 NO. SEVENTH STREET

PHILADELPHIA 6, PENNA.

TELEPHONE WALNUT 5-8780

July 15, 1960

CABLE ADDRESS "AMERLAB" PHILA.

In reply, refer to:

U. S. Naval Reserve Laboratory  
Mr. Read Mayo  
4555 Overlook Avenue, S.W.  
Washington, D. C.

(100-3691) - 318

Gentlemen:

Detailed below is our quotation for both three and six filter and detector-mount systems.

Each system consists of six (6) filters and six (6) detector mounts. Each filter fits into a space 1" high by 5 1/2" O.D. by 1" I.D.

The filter characteristics are as follows:-

Pass band 550 to 950 MC/S  
Insertion loss in band I.O.D.B. maximum  
Loss at 1070 M.C. greater than 50 D.B.  
Remaining greater than 25D.B. to 2000 MC/S  
Lower skirt rising to 50 D.B. by 450 MC/S  
TNC output and input connectors maximum weight - 25 oz.

The detector mounts will have TNC male input and microdot output connectors.

Our quotation offers two options on detector mounts, as follows:-

Model No.	Weight	Length
CTM105A	1.06 oz.	2.68"
CTM201A	5 oz.	8 5/8"

The CTM 105A detector mount is an extremely light-weight broad-band mount which will provide a minimum tangential sensitivity of minus 49 DMB for the filter-detector mount combination.

The CTM201A detector mount is designed for optimum sensitivity in the 500 to 1000 MC/S region; it will provide the minimum tangential sensitivity of minus 55 DBM for the filter-detector mount combination.

- Note: Tangential sensitivity is here defined for a 2 MC/S video band-width with the detector mounts feeding into a 100-K load.

~~TOP SECRET~~ [ ]

HANDLE VIA  
BYEMAN-TAL [ ]  
CONFIDENTIAL