

DATE <u>10/20/54</u>	TMC SPECIFICATION NO. S - 232	
SH. <u>1</u> OF <u>2</u>		
COMPILED BY AJJ	TITLE: PURCHASING SPEC., FILTER, LOW PASS FX 133	JOB
APPROVED <u>A. J. J.</u>	Page Issue	A

1. ELECTRICAL:

A. CHARACTERISTICS:

- (a). PASS BAND- The frequency Vs. attenuation curve must be flat within a total of 2 db between the limits of 1 cps to 3200 cps.
- (b). REJECTION BAND - The frequency Vs. attenuation curve must be down not less than 20 db at 4000 cps and not less than 45 db at 4500 cps.
The attenuation shall never fall below 45 db at any point above 4500 cps to an upper limit of 50 Kcs.
- (c). INSERTION LOSS* The insertion loss shall not exceed 2 db.
- (d). TEMPERATURE RANGE- The filter shall be constructed so that within the temperature range of 0 to 80° C, the specifications (a), (b), and (c), above, shall remain in full force.
- (e). DRIFT- The long term drift shall be such that specifications (a), (b), and (c), above, shall remain in full force when measured at an ambient temperature of approximately 25° C at the end of a six months period beyond the date of delivery.
- (f). IMPEDANCE- The input and output impedances within the bandpass shall be 600 ohms, unbalanced.

B. COMPONENTS:

- (a). All toroids shall be vacuum impregnated after winding.
- (b). All completed filter cans shall be hermetically sealed and filled with compound under vacuum.
- (c). All capacitors, where possible, shall be "D" or "E" temperature characteristic silver micas.
- (d). Toroid cores shall be stabilized and shall have temperature coefficients at least as good as the Arnold Engineering Company D-671157-3.
- (e). All components shall be rigidly mounted before potting.

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SH. 2 OF 2

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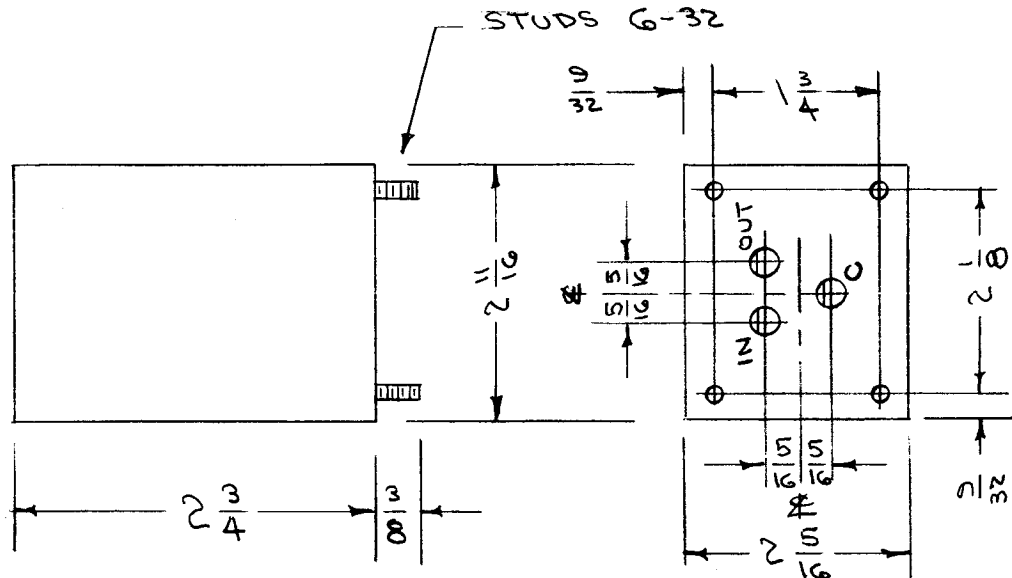
JOB

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Page
Issue2. PHYSICAL:

A. DIMENSIONS:

The unit shall be enclosed in a can having the following dimensions, mounting system, and terminal placement;



This is a catalog item of the Hudson Tool and Die Company and bears the number HU - 157.

B. PRINTING:

- (a). The following lettering shall appear on each can top and shall be stamped in paint to prevent easy removal:

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

PART NO. FX 133

- (b). No designation relating the finished product to the original manufacturer shall appear anywhere on the can.
- (c). The appropriate terminals on the can bottom shall be marked IN, OUT, and C.

C. PAINTING:

- (a). The unit shall be painted TMC grey according to TMC specification S - 115 but using, instead, a paint which requires baking at a temperature not to exceed 240° F.

