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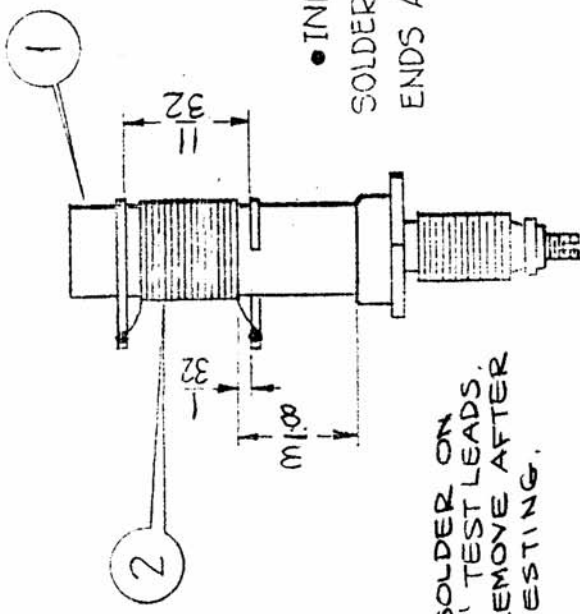
REQ. PER UNIT  
1  
1

MODEL  
HFR-1/T  
HFR-1/T

USED ON  
A-2363  
A-2372

DATE  
6-9-62  
11-27-62

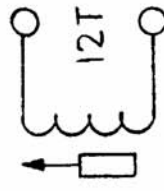
A 2498 D



• INDICATES  
SOLDER POINTS. SOLDER  
ENDS AS SHOWN.

\* SOLDER ON  
1" TEST LEADS.  
REMOVE AFTER  
TESTING.

SCHEMATIC  
SYMBOL  
L1013, L1014



| SYM | DESCRIPTION                              | DATE     | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|-----|------------------------------------------|----------|---------|--------|---------|-----------|
| D   | * NOTE ADDED                             | 10-3-66  | 16958   | JK     | JK      | JK        |
| C   | 3/8 DIA. WAS 5/16<br>TEST SPEC CLARIFIED | 3/25/65  | 14140   | JL     | JL      | JL        |
| B   | Q WAS 85 MIN.                            | 17/5/63  | 10572   | JK     | JK      | JK        |
| A   | MODEL # SYMBOL ADDED                     | 11-27-62 | 7699    | JK     | JK      | JK        |

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON  
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE:  
MAXIMUM ALLOWABLE TOLERANCES HAVE  
BEEN DETERMINED AND ANY DEVIATIONS  
WILL BE CAUSE FOR REJECTION.  
REMOVE ALL BURRS AND SHARP EDGES

WINDING PROCEDURE

1. Secure Terminals to Coil Form with Q-Max.
2. Wind 12 Turns on coil Form, single layer close wound.
3. Stake Wire Ends To Coil Form with Q-Max.
4. Strip ends Wrap Around Terminals and solder.
5. Bake for 1/2 hour @ 215°F to remove moisture.
6. Coat Coil with Q-Max and Bake for 1/2 Hour @ 215°F.

\* TEST SPECIFICATION

TEST FREQ. = 25 MC  
MAX. IND : 1.42 uh REF.  
MIN. IND : 0.69 uh REF.  
Q : 85 MIN., AT MIN. IND."

| REQ. ITEM | PART NO.   | DESCRIPTION            | SYMBOL |
|-----------|------------|------------------------|--------|
| X 4       | GL-102     | Q-Max                  |        |
| X 3       | BS-100     | Solder, Soft           |        |
| X 2       | WI-122-24  | Wire, Magnet. # 24     |        |
| 1         | CF-134-5-E | Form, Coil, Slug Tuned |        |

| THE TECHNICAL MATERIEL CORP. | MAMARONECK, NEW YORK |
|------------------------------|----------------------|
| AC-170 ASSEMBLY              | (COIL, RF TUNED)     |
| DR. J. J. JAMES              | BP                   |
| DRAWN                        | CHECKED              |
| V. ANGER                     |                      |
| ELEC. DES. APP.              | MECH. DES. APP.      |
| FINISH & SPEC. NO.           |                      |
| TYPE & TEMPER                | HEAT TREAT. SPEC.    |
|                              | FINAL APPROVAL       |
|                              | A 2498 D             |