EQUIP. TYPE ~~R390A/URR~~ EXP. NO.

~~Col 678-0466-00~~

NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

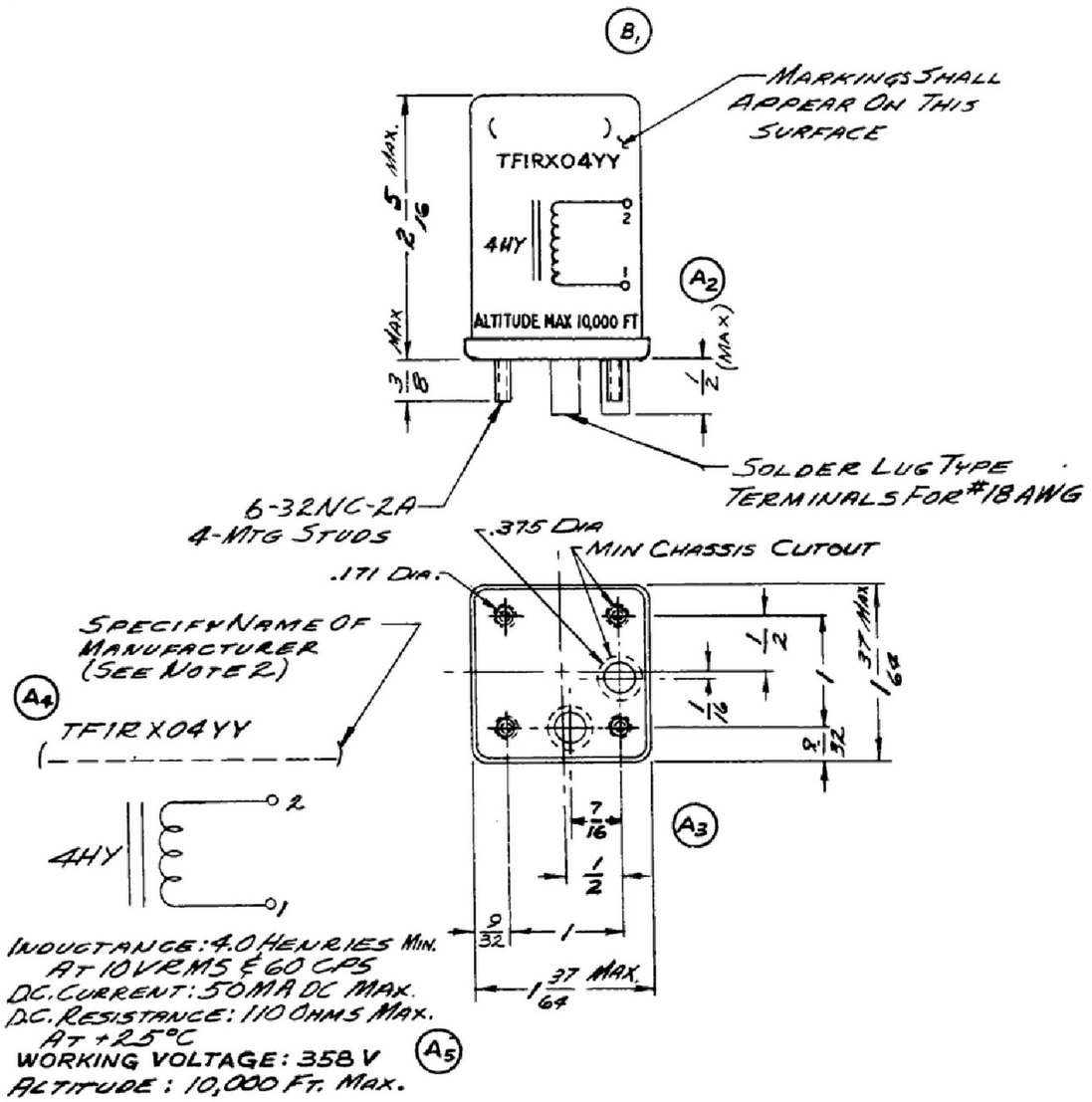
THIS DOCUMENT HAS BEEN PURCHASED BY THE GOVERNMENT AND MAY BE REPRODUCED AND USED IN CONNECTION WITH ANY GOVERNMENT PROCUREMENT OR MAINTENANCE OPERATION.

*FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

*SWE APPROVAL	
SYM	PR10042-13

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A_{10}	A_1-"SWE TYPE 24N205209" ETC. WAS #17613 AS SUPPLIED BY CHICAGO STD. TRANSFORMER CORP., ETC. A_2-CORRECTED VIEW OF FILTER; A_3-DELETED 1/16 DIM. & ADDED 7/16 DIM. A_4-TFIRX04AYY WAS TFIRX04AJ; A_5-WORKING VOLTAGE: 358 V WAS HI POT TEST: 1000 VRMS. A_6-TYPE TFIRX04YY WAS GRADE 1, CLASS R; A_7-WAS DIELECTRIC TEST VOLTAGE: 1000 VOLTS RMS. A_8-DELETED REFERENCE TO SPEC MIL-T-27 IN TEMP RISE NOTE. A_9-P213E WAS P213, ETC. A_{10}-ADDED REFERENCE TO MIL-T-27.	20 NOV 59	42428-PC-59-A1-51 REV'D. PME
B	(1) ADDED TO VIEW, MARKING	31 OCT 61	42428-PC-59 REV'D. PME



A1 NOTES:

1. PART SHALL BE SWE TYPE 24N205209 AS SUPPLIED BY STEWART WARNER ELECT. CHICAGO, ILL., OR EQUAL, PROVIDING IT MEETS THE FOLLOWING REQUIREMENTS AND DIMENSIONS SHOWN.
2. AFFIX IN A THOROUGHLY LEGIBLE MANNER ALL CHARACTERS AND MARKINGS IN VERTICAL GOTHIC 3/32 IN. HIGH IN ACCORDANCE WITH AND TO MEET THE TEST REQUIREMENTS OF SPEC MIL-M-13231.

DESCRIPTION: FILTER REACTOR IN ACCORDANCE WITH SPEC MIL-T-27, TYPE TFIRX04YY. A6

ELECTRICAL REQUIREMENTS:
INDUCTANCE: 4.0 HENRIES MINIMUM MEASURED AT 10 VOLTS RMS 60 CPS WITH RATED D-C CURRENT FLOWING THROUGH REACTOR.
RATED CURRENT: 50 MA DC MAXIMUM.
D-C RESISTANCE: 110 OHMS MAXIMUM AT +25°C.
RIPPLE FREQUENCY: 100/120 CPS
A7 WORKING VOLTAGE: 358 V.
A8 TEMPERATURE RISE: THE TEMPERATURE RISE OF THE REACTOR SHALL NOT EXCEED 20°C ABOVE AN OPERATING AMBIENT OF +85°C
DUTY CYCLE: CONTINUOUS.
ENVIRONMENTAL REQUIREMENTS:
AMBIENT TEMPERATURE: -40°C TO +85°C.
ALTITUDE: 10,000 FEET MAXIMUM.
MECHANICAL REQUIREMENTS:
CONSTRUCTION: METAL ENCASED; HERMETICALLY SEALED.
TERMINALS: CERAMIC BUSHINGS, SOLDER LUG TYPE. DETAIL DESIGN OF TERMINAL IS OPTIONAL BUT TERMINALS SHALL BE APPROVED BY THE PRIME CONTRACTOR BEFORE PROCEEDING WITH PRODUCTION QUANTITIES.
A9 FINISH: P213E PER SPEC MIL-F-14072.
*SAMPLE APPROVAL: SAMPLE APPROVAL MUST BE OBTAINED FROM THE PRIME CONTRACTOR BEFORE PROCEEDING
A10 WITH PRODUCTION QUANTITIES. ALL THE ELECTRICAL AND MECHANICAL QUALIFICATION REQUIREMENTS SPECIFIED IN MIL-T-27 WILL CHECKED BEFORE GRANTING SAMPLE APPROVAL. ANY CHANGE IN THE UNIT SUBSEQUENT TO INITIAL APPROVAL SHALL BE COORDINATED WITH CONTRACTOR FOR THE PURPOSE OF EXTENDING APPROVAL OR RETESTING OF NEW UNITS.

~~*When Part Number Appears As 559 0449 009, Military Inspection Is Required~~

~~COLLINS PART NO.~~	~~ITEM~~	~~REQD~~	~~PART NO.~~	~~DESCRIPTION~~	~~MAT.~~	~~MAT. SPEC~~

LIST OF MATERIAL ~~SWE PART NO. 24N205209~~

~~559 0340 009~~	1	SM-D-248801	SC-DL-248775
~~COLLINS NO.~~	~~QTY~~	NEXT ASSY	USED ON

APPLICATION

DRAWN	CHECKED	APPROVED
L BRIGGS	BG	

UNLESS OTHERWISE SPECIFIED:
DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.005
FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64
MACHINED ANGLES MAY VARY ±.1°
SHEARED ANGLES MAY VARY ±.25°
BROKEN ANGLES MAY VARY ±1.°
ECCENTRICITY BETWEEN ANY DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED .010 TOTAL INDICATOR READING.
ALL DIMENSIONS ARE FINISH DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.

~~COLLINS RADIO CO. CEDAR RAPIDS, IOWA~~
14214-PH 51-93
SIGNAL CORPS
REVIEWED PME
APPROVED HLY PME
DATE 19 MAR 58

FILTER

SCALE 1/1

DEPARTMENT OF THE ARMY
SIGNAL CORPS ENGINEERING LABORATORIES
FORT MONMOUTH NEW JERSEY

SM-C-283276

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE