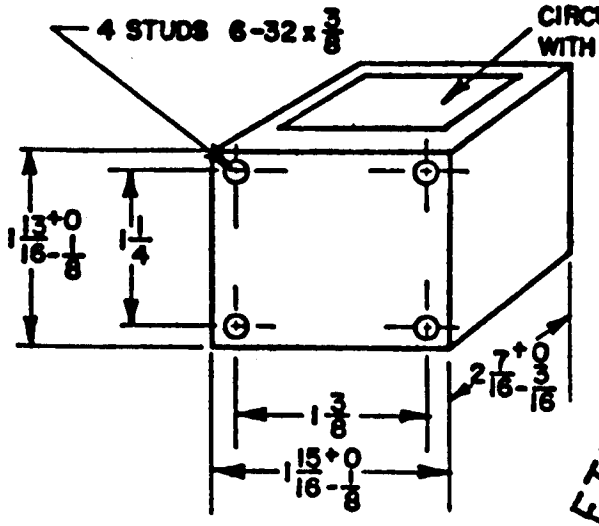
FED. SUP. CLASS
5950

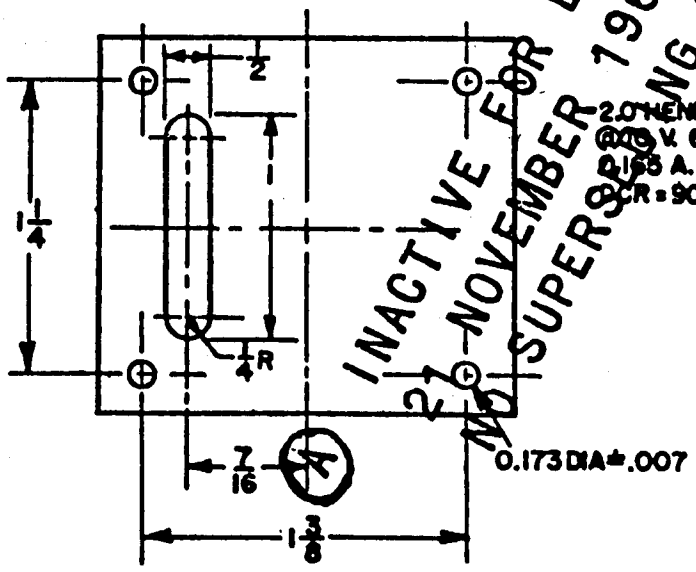
CASE, MOUNTING, TERMINAL ARRANGEMENT, AND MARKING



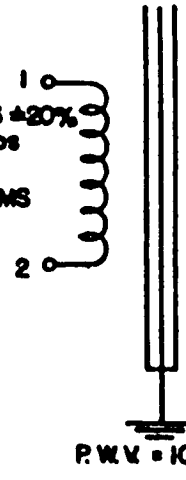
1. DIMENSIONS ARE IN INCHES.
2. TOLERANCES ON MOUNTING DIMENSIONS SHALL BE ± 1/64.
3. TERMINALS SHALL BE NUMBERED IN ACCORDANCE WITH THE CIRCUIT DIAGRAM.
4. QUALIFICATION TESTS SHALL BE REQUIRED.
5. LOCATION OF TERMINALS IS OPTIONAL.

INACTIVE FOR DESIGN AFTER 27 NOVEMBER 1966
MS SUPERSEDING STANDARD

MINIMUM CHASSIS CUTOUT



CIRCUIT DIAGRAM AND MARKING



MAX. OPERATING ALTITUDE 50,000 FT.

APPROVED 10 OCT 1956 REVISED (A) 21 NOV 1966

MS part number	FIIN
MS16476-1	

CUSTODIANS	OTHER INT.	MILITARY STANDARD	MS16476 (SHIPS)
Ships	A - N - AF -	INDUCTOR, (REACTOR) TYPE TF4SX04EB214	
Procurement Specification MIL-T-27		SUPERSEDES:	SHEET 1 OF 2

NOTICE: Non-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 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.

FED. SUP. CLASS
5950

Electrical rating	
Winding: 2.0 henries ±20 percent at 10 v., 60 c.p.s., 0.165 a. d.c., 90 ohms	Ripple frequency: 108 to 880 c.p.s.
	Duty cycle: Continuous
	Life expectancy: 10,000 hours, minimum
Note: Numbers in parentheses, for example (1 - 4), indicate winding and the extreme terminals of the winding.	Peak working voltage: 1070 volts
	Maximum altitude: 50,000 feet
	Maximum ambient temperature: 90°C.

Test	Physical requirements	Limits
Visual and mech.:		
Case	EB	- - - - - - -
Weight	1.3 pounds	Maximum
Terminals	Solder lug, st loff	- - - - - - -
Terminal height	9/16 inch	Maximum
Shock	Method II, 50g's	Maximum
Terminal pull	5 pounds	Maximum

Test	Electrical requirements					Limits
Dielectric strength	Windings	(1 - 2)	- - - -	- - - - -		- - - - - - -
Sea level	Volts (r.m.s.)	2500	- - - -	- - - - -		- - - - - - -
High altitude	Volts (r.m.s.)	1340	- - - -	- - - - -		- - - - - - -
Induced voltage	1500 v. r.m.s., 240 c.p.s.					- - - - - - -
Overload	11.2 v. r.m.s., 108 c.p.s. and 0.185 a. d.c. applied for 48 hours					- - - - - - -
Temperature rise	40°C. with 1500 v. r.m.s., 240 c.p.s. and 0.165 a. d.c. applied to winding					Maximum
D.c. resistance	Winding (1 - 2): 90 ohms at 25°C.					±11 percent
Inductance	2.0 henries at 10 v., 60 c.p.s. and 0.165 a. d.c.					Minimum

1. Referenced documents shall be the issue in effect on date of invitation for bids.
2. This standard takes precedence over documents referenced herein.

APPROVED 10 OCT REVISED (A) For changes see sheet 1

0220

CUSTODIANS	OTHER INT.
Ships	A - N - AF -

MILITARY STANDARD

INDUCTOR, (REACTOR) TYPE TF4SX04EB214

MS16476 (SHIPS)

Procurement Specification MIL-T-27

SUPERSEDES:

SHEET 2 OF 2