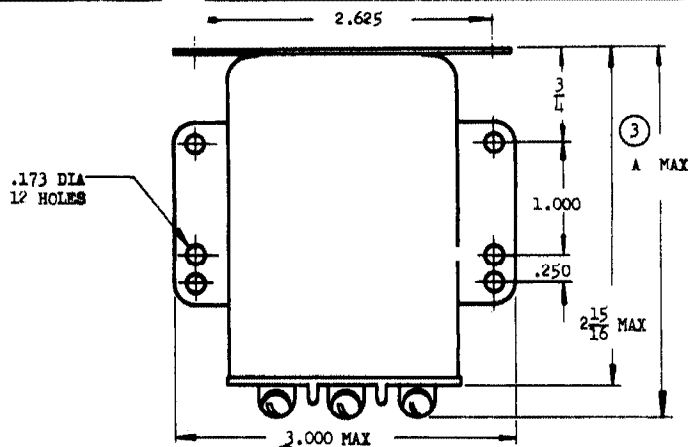
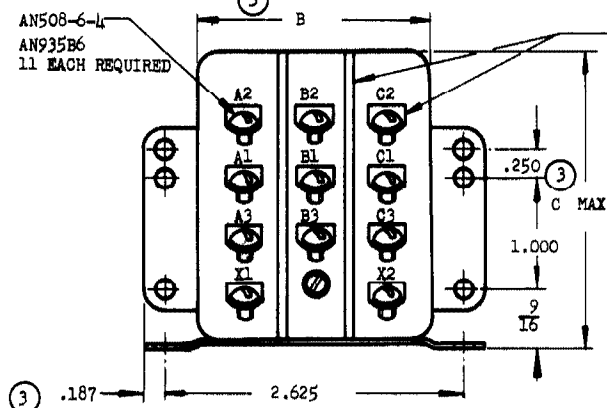


2: When Government drawings, specifications, or other data are used for any purpose other than in connection with a defense-related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever, and the fact that the Government may have furnished, furnished, or is may supply the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner endorsing the holder or any other person or corporation, or conveying any rights or privileges in transmission, use, or sale of any product or service that may in any way be related thereto.

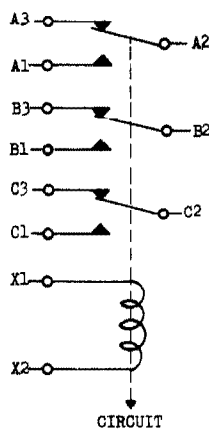
NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing represents all minimum standard drawings for the same product and shall become effective for the procurement of conventional supplies, or for use in new design, not later than 6 months after the latest date of approval shown.



AN508-6-4  
AN935B6  
11 EACH REQUIRED



CONSTRUCTION OF TERMINAL SLANT AND HORIZONTAL ALIGNMENT AND VERTICAL OR HORIZONTAL INSULATING BARRIERS IS OPTIONAL, PROVIDED REQUIREMENTS AS SHOWN ARE MET



#### DETAIL REQUIREMENTS:

- (A) MAXIMUM OPERATING VOLTAGE 29 VOLTS  
(B) PICK-UP VOLTAGE 18 VOLTS  
(C) DROP-OUT VOLTAGE 7 VOLTS +0, -5.5  
(D) RATED LOAD: (PER POLE)

| LOAD                                 | NORMALLY OPEN | NORMALLY CLOSED |
|--------------------------------------|---------------|-----------------|
| RESISTIVE DC                         | 10 AMP        | 10 AMP          |
| RESISTIVE AC<br>400 CYCLES 115 VOLTS | 10 AMP        | 10 AMP          |
| INDUCTIVE                            | 10 AMP        | 10 AMP          |
| MOTOR                                | 6 AMP         | 6 AMP           |

- (E) COIL CURRENT 0.35 AMP MAX  
(F) MINIMUM OPERATING PERIOD 3 HOURS  
(G) MINIMUM OPERATING CYCLES 50,000  
(H) MAXIMUM WEIGHT 0.8 POUND  
(I) RATED DUTY CONTINUOUS  
(J) NOMINAL COIL VOLTAGE 28 VOLTS

| AN PART NO. | A (MAX) | B (MAX) | C (MAX) |
|-------------|---------|---------|---------|
| AN3312-1    | 3-5/32  | 2-7/64  | 2-5/8   |
| AN3312-2    | 3-5/16  | 2-13/64 | 2-11/16 |

INACTIVE FOR DESIGN AFTER 14 MARCH 1955.

USE MS25024.

- 3 PART NUMBER AN3312-2 RELAY SHALL MEET MINIMUM CURRENT REQUIREMENTS ESTABLISHED IN THE PROCUREMENT SPECIFICATION.

FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTES, SEE ANA BULLETIN NO. 337.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS  $\pm 1/64$ , DECIMALS  $\pm 0.010$ .

OVERLOAD, RUPTURE, AND CONTACT DROP TESTS OF SPECIFICATION MIL-R-6106 ARE NOT APPLICABLE TO PART NUMBER AN3312-1 RELAY.

PROCUREMENT  
SPECIFICATION

MIL-R-6106

AIR FORCE-NAVY AERONAUTICAL STANDARD

RELAY, 10 AMP, 3PDT, SEALED, CLASS O

AN3312

SUPERSEDES USAF DRAWING 50B7503

APPROVED 10 Jul 50 REVISED 1 14 Mar 55 (2) 10 Apr 56 (3) 27 Jul 56