

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

SAE AS81714/31

RATIONALE

FEDERAL SUPPLY CLASS
5940

AS81714/31 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-T-81714/31B AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-T-81714/31B. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

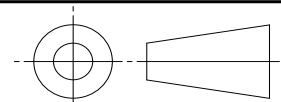
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as81714/31

SAE values your input. To provide feedback on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS81714/31>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

SAE Aerospace
An SAE International Group

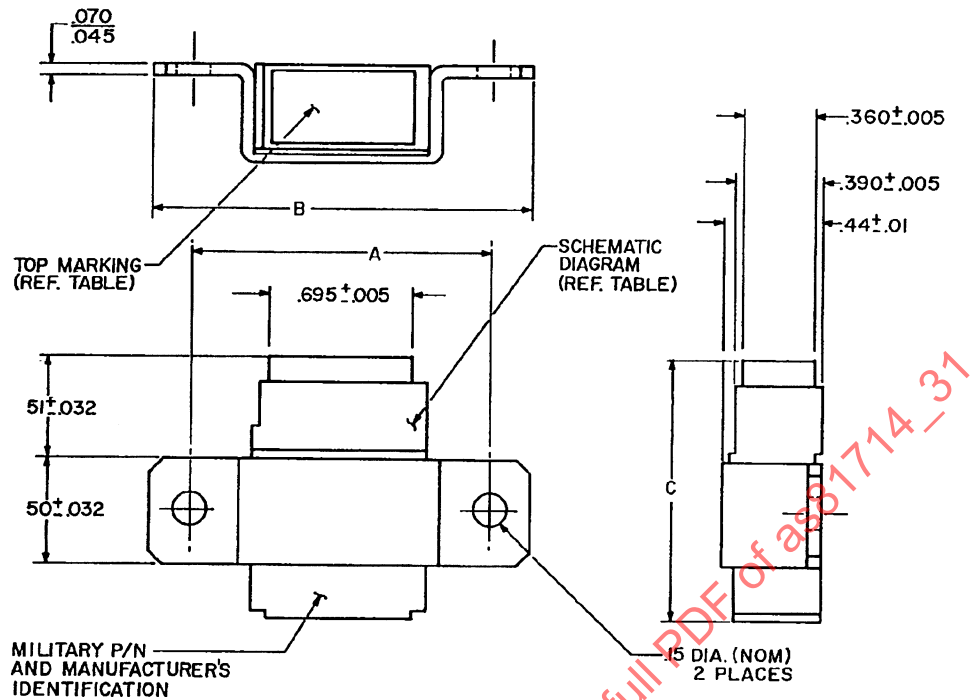
AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, MODULES, FEEDBACK TYPE, SIZES 20-6, 20-7, 20-8
HORIZONTAL MOUNTING WITH INTEGRAL BRACKET,
SERIES I

SAE AS81714/31
SHEET 1 OF 5

ISSUED 2001-07 REAFFIRMED 2012-01

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.



Dimensions			
Size	A $\pm .010$	B $\pm .032$	C Max
20-6	1.35	1.75	1.015
20-7	1.35	1.75	1.310
20-8	1.50	1.88	1.310

Inch	mm	Inch	mm	Inch	mm
.005	0.13	.150	3.81	.695	17.65
.010	0.25	.360	9.14	1.015	25.78
.029	0.74	.390	9.91	1.350	34.29
.032	0.81	.440	11.18	1.500	38.10
.035	0.89	.500	12.70	1.750	44.45
.060	1.52	.510	12.95	1.880	47.75

Sizes 20-* electronic blocks horizontal mounting with integral bracket.

TABLE I.

Part Number <u>1/</u> <u>2/</u>	Consists of Block and	
	Contacts Part Number	End Seal Plugs Part Number
M81714/4-D-***	M39029/1-101	MS27488-20

*** Bussing Arrangement.

1/ See Note 5.

2/ See Note 6.

TABLE I. DASH NUMBERS FOR BLOCKS WITH DIODES.

Dash No.	Size	Figure	Quantity	Part Number	Specification No.
-001	20-6	3	2	JAN TX IN5618	MIL-S-19500/427
-002	20-7	3	2	JAN TX IN5552	MIL-S-19500/420
-003	20-7	1	5	JAN TX IN5618	MIL-S-19500/427
-004	20-7	1	5	JAN TX IN5552	MIL-S-19500/420
-005	20-8	2	6	JAN TX IN5618	MIL-S-19500/427
-006	20-8	2	6	JAN TX IN5552	MIL-S-19500/420

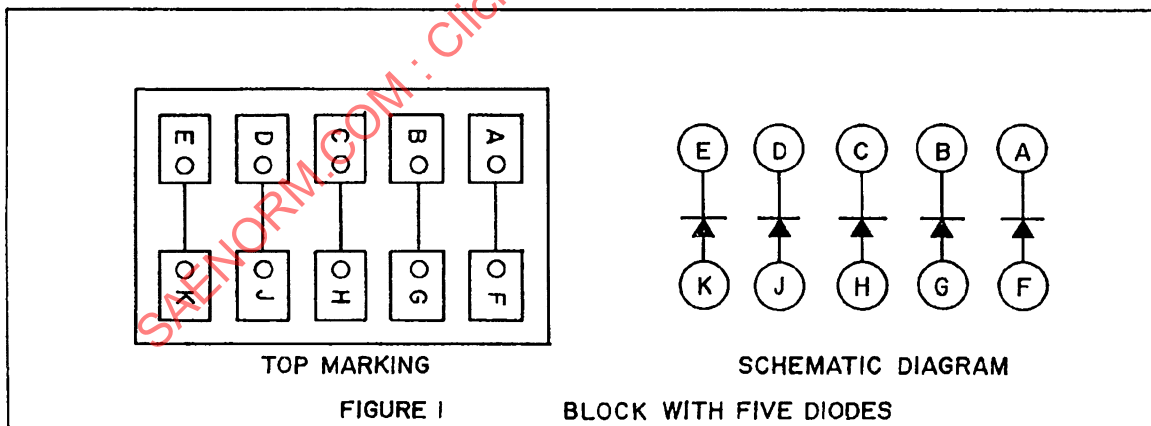


FIGURE 1. BLOCK WITH FIVE DIODES.

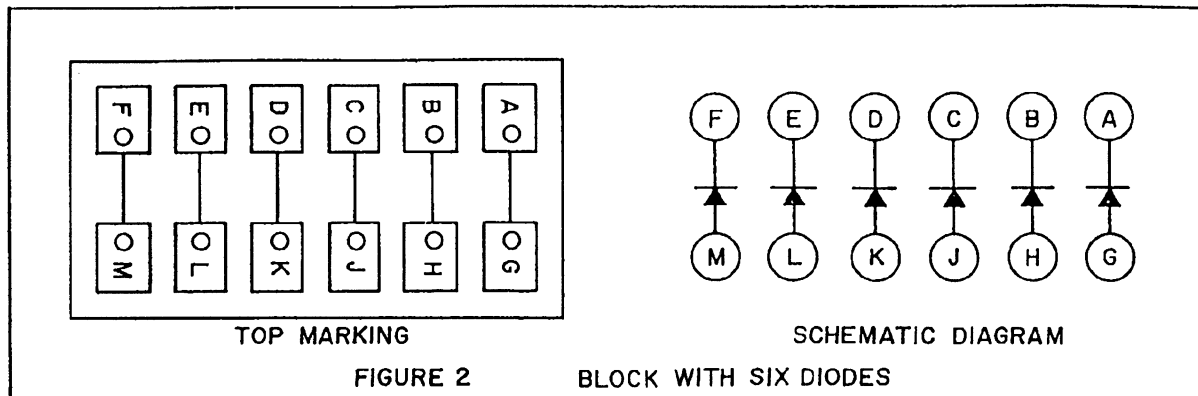


FIGURE 2. BLOCK WITH SIX DIODES.

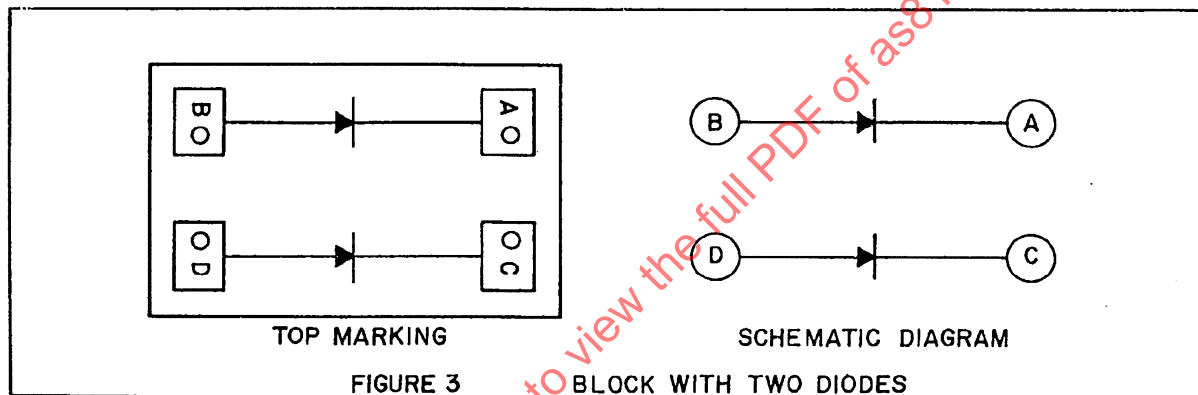


FIGURE 3. BLOCK WITH TWO DIODES.

REQUIREMENTS:

1. MATERIALS:

- a. CURRENT CARRYING MEMBERS OF THE ELECTRONIC IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE IN-LINE JUNCTION SPECIFICATION.
- b. BRACKET FINISH: BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625, CLASS 2, .00009 INCH THICK MINIMUM.