

GENERAL PURPOSE RECTIFIERS

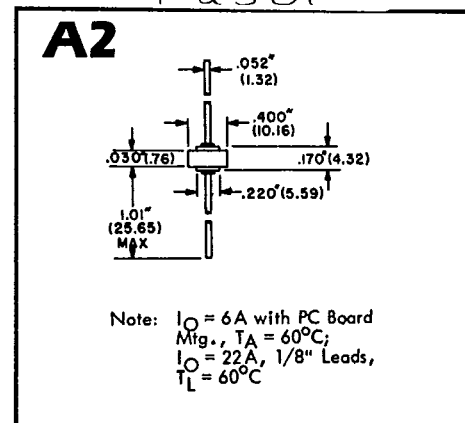
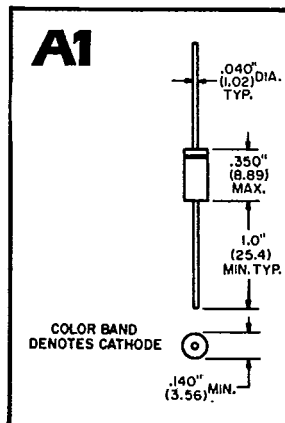
0258354 ADVANCED SEMICONDUCTOR

82D 00036

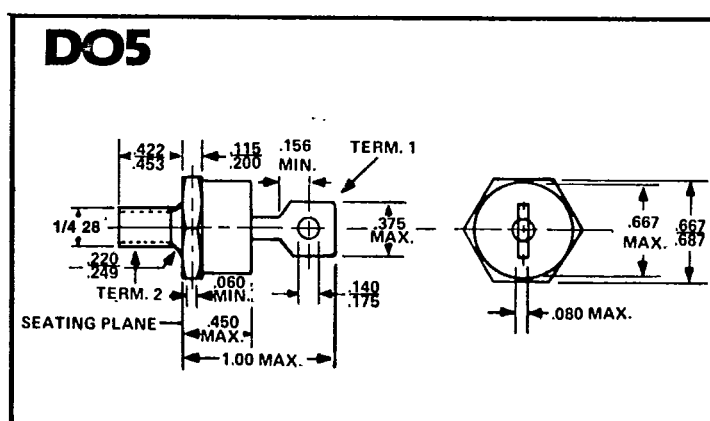
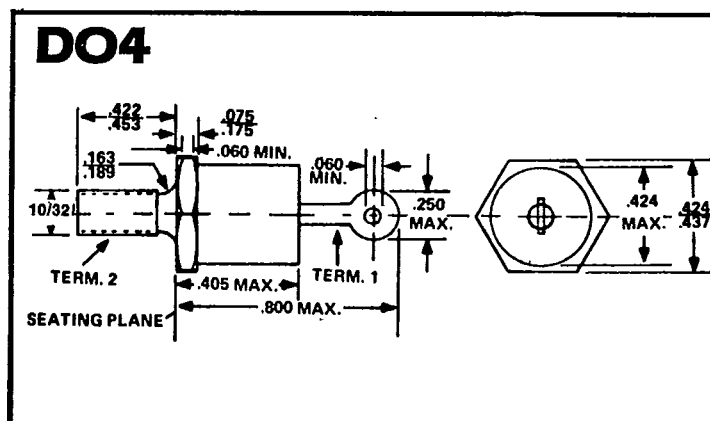
D 7-01-01

IO AVERAGE RECTIFIED FORWARD CURRENT (AMPERES)

30	35	35	40	100	100	160
IN3659	IN1183		IN1183A			IN3260
IN3660	IN1184		IN1184A			IN3261
	IN1185		IN1185A			
IN3661	IN1186		IN1186A	IN3289	IN3289A	IN3263
	IN1187		IN1187A	IN3290	IN3290A	IN3265
IN3663	IN1188		IN1188A	IN3291	IN3291A	IN3267
	IN1189		IN1189A	IN3292	IN3292A	IN3268
	IN1190		IN1190A	IN3293	IN3293A	IN3269
		IN3765				IN3270
		IN3766		IN3294	IN3294A	IN3271
		IN3767				IN3272
		IN3768		IN3295	IN3295A	IN3273
				IN3296	IN3296A	IN3274
400	500	500	800	1600	2300	2000
1.2	1.7	1.8	1.2	1.5	1.25	1.6
D04	D05	D05	D05	D08	D08	D09



All Outline Drawings Conform to JEDEC and EIA Specifications



CONTINUED NEXT PAGE

SILICON CONTROLLED RECTIFIERS

ON-STATE (RMS) CURRENT AMPERES

VDRM VRRM	8	10	12	16	16	20	25	25	35	35	35	35
25	2N4167	C220U			2N1842		2N681	C37U			C35U	C38U
50	2N4168	C220F	2N6394	2N6400	2N1843	2N5164	2N682	C37F			C35F	C38F
100	2N4169	C220A	2N6395	2N6401	2N1844		2N683	C37A	2N3870		C35A	C38A
200	2N4170	C220B	2N6396	2N6402	2N1846	2N5165	2N685	C37B	2N3871		C35B	C38B
300	2N4171	C220C			2N1848		2N687	C37C			C35C	C38C
400	2N4172	C220D	2N6397	2N6403	2N1849	2N5166	2N688	C37D	2N3872		C35D	C38D
500	2N4173	C220E			2N1850		2N689	C37E			C35E	C38E
600	2N4174	C220M	2N6398	2N6404		2N5167	2N690	C37M	2N3873	2N5204	C35M	
700							2N691	C37S			C35S	
800							2N692	C37N		2N5205		
900										2N5206		
1000												
1100										2N5207		
1200										40	40	40
IGT (MA)	30	25	30	30	80	25	25	80	40	3	3	3
VGT	1.5	.2	1.5	1.5	2	2.5	3	3.5	3			
CASE TYPE	T064	T048	T0220	T0220	T048	T048	T048	T048	T0203	T048	T048	T048

SILICON CONTROLLED RECTIFIERS CONTINUED NEXT PAGE

SILICON CONTROLLED RECTIFIERS

ADVANCED SEMICONDUCTOR

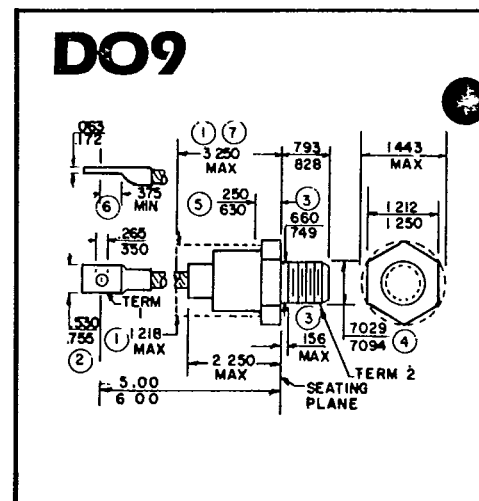
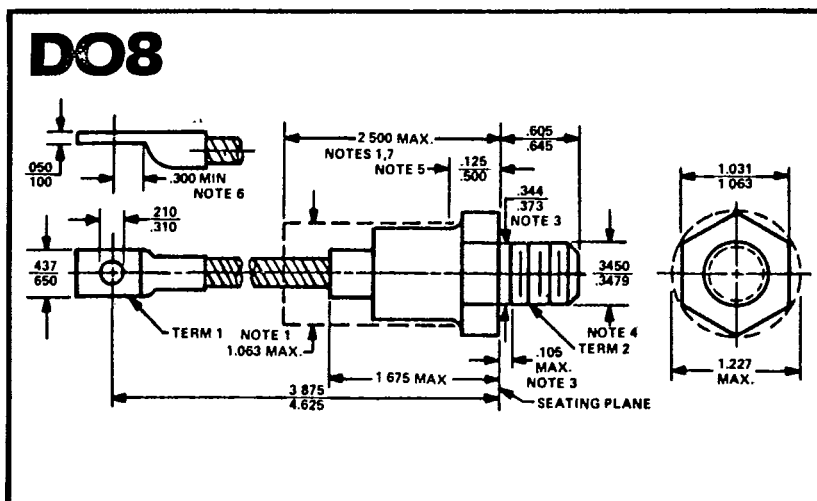
82 DE 0258354 0000037 3

7-25-01

ON-STATE (RMS) CURRENT AMPERES

VDRM VRRM	35	63	80	80	110	110	110	110	110	110	190	400
25	C137U	C147U	C45U	C46U	2N1909	C52U	C150U	C152U	C60U	C62U		
50	C137F	C147F	C45F	C46F	2N1910	2N1792	C150F	C152F	C60F	C62F		
100	C137A	C147A	C45A	C46A	2N1911	2N1793	C150A	C152A	C60A	C62A		C380A
200	C137B	C147B	C45B	C46B	2N1913	2N1795	C150B	C152C	C60B	C62B		C380B
300	C137C	C147C	C45C	C46C	2N1915	2N1797	C150C	C152C	C60C	C62C		C380C
400	C137D	C147D	C45D	C46D	2N1916	2N1798	C150D	C152D	C60D	C62D		C380D
500	C137E	C147E	C45E	C46E	C50E	C52E	C150E	C152E	C60E	C62E	C350E	C380E
600	C137M	C147M	C45M	C46M	C50M	C52M	C150M	C152M			C350M	C380M
700	C137S	C147S	C45S	C46S	C50S	C52S	C150S	C152S			C350S	C380S
800	C137N	C147N	C45N	C46N	C50N	C52N	C150N	C152N			C350N	C380N
900	C137T	C147T	C45T	C46T	C50T	C52T	C150T	C152T			C350T	C380T
1000	C137P	C147P	C45P	C46P	C50P	C52P	C150P	C152P			C350P	C380P
1100	C137PA	C147PA	C45PA	C46PA	C50PA	C52PA	C150PA	C152PA			C350PA	C380PA
1200	C137PB	C147PB	C45PB	C46PB	C50PB	C52PB	C150PB	C152PB			C350PB	C380PB
1300		C147PC					C150PC	C152PC			C350PC	C380PC
IGT (MA)	40	150	75	75	75	75	150	150	75	75	150	150
VGT (V)	3	3.5	3	3	3	3	3	3	3	3	3	3
CASE TYPE	T048	T065	T083	T094	T094	T083	T094	T083	T094	T083	HP1	HP1

PHYSICAL DIMENSIONS



TRIACS

ON-STATE (RMS) CURRENT AMPERES

VDRM VRRM	2.5	6	6	6	6	6	6	8	8	8	8	8
25	T2303F	T2500A	SC140A	SC141A	T2801A	SC240B	SC241B	MAC220-2	MAC221-2	TIC226A	T2800A	T2802A
50	2N5724	T2500B	SC140B	SC141B	T2801B	SC240B	SC241B	MAC220-3	MAC221-3	TIC226B	T2800B	T2802B
100	2N5755							2N6342	2N6346			
200												
300		T2500C	SC140C	SC141C	T2801C	SC240C	SC241C	MAC220-5	MAC221-5	TIC226C	T2800C	T2802C
400	2N5756	T2500D	SC140D	SC141D	T2801D	SC240D	SC241D	2N6343	2N6347	TIC226D	T2800D	T2802D
500		T2500E	SC140E	SC141E	T2801E	SC240E	SC241E	MAC220-7	MAC221-7	TIC226E	T2800E	T2802E
600	2N5757	T2500M	SC140M	SC141M	T2801M	SC240M	SC241M	2N6344	2N6348	TIC226M	T2800M	T2802M
700		T2500S	SC140S	SC141S	T2801S	SC240S	SC241S	MAC220-9	MAC221-9	TIC226S	T2800S	T2802S
800		T2500N	SC140N	SC141N	T2801N	SC240N	SC241N	2N6345	2N6349	TIC226N	T2800N	T2802N
IGT(MA)	25	25	50	50	80	50	50	50	50	50	25	50
CASE	T039	T0220	T0220	T0220	T0220	T048	PRESS FIT	T0220	T0220	T0220	T0220	T0220

T-25-01

DO21

#2

.503±.202

.215±.035

.225±.025

.135±.055

.424 MAX.

.140 MAX.

.050±.003

NOTE 50 T.P.1
Straight Knurl

.500 MIN.

#1

.625±.015

Diagram illustrating the dimensions and components of a vacuum tube assembly, likely a diode or triode. The diagram shows the tube structure, including the heater, cathode, and various grids. Dimensions are labeled with letters A through S. A note indicates $T = \text{LENGTH OF STRAIGHT LEAD}$. A 1000 MIN. CREEPAGE dimension is shown between the heater and the base. A 20°±5° angle is specified for the heater lead-in. The diagram also shows a 1000 MIN. CREEPAGE dimension between the heater and the base.

SYM	DECIMAL INCHES		METRIC MM	
	MIN.	MAX.	MIN.	MAX.
A	.240	.260	6.096	6.604
B	.110	.140	2.794	3.302
C	.245	—	6.223	—
D	.186	.191	4.724	4.851
E	.060	.075	1.524	1.905
F	—	1.740	—	44.200
G	—	1.350	—	34.29
H	—	2.960	—	75.18
J	.017	.023	.430	.570
K	.050	.130	1.270	3.302
L	.057	.060	1.422	1.524
M	1.000	1.070	25.400	27.180
N	.050	.130	1.270	3.302
P	.135	.150	3.429	3.810
Q	1.700	1.900	43.180	48.260
R	—	2.650	—	67.31
S	.070	.100	1.770	2.540
T	12.200	—	309.90	—
U	.137	.153	3.480	3.886

TRIACS

7