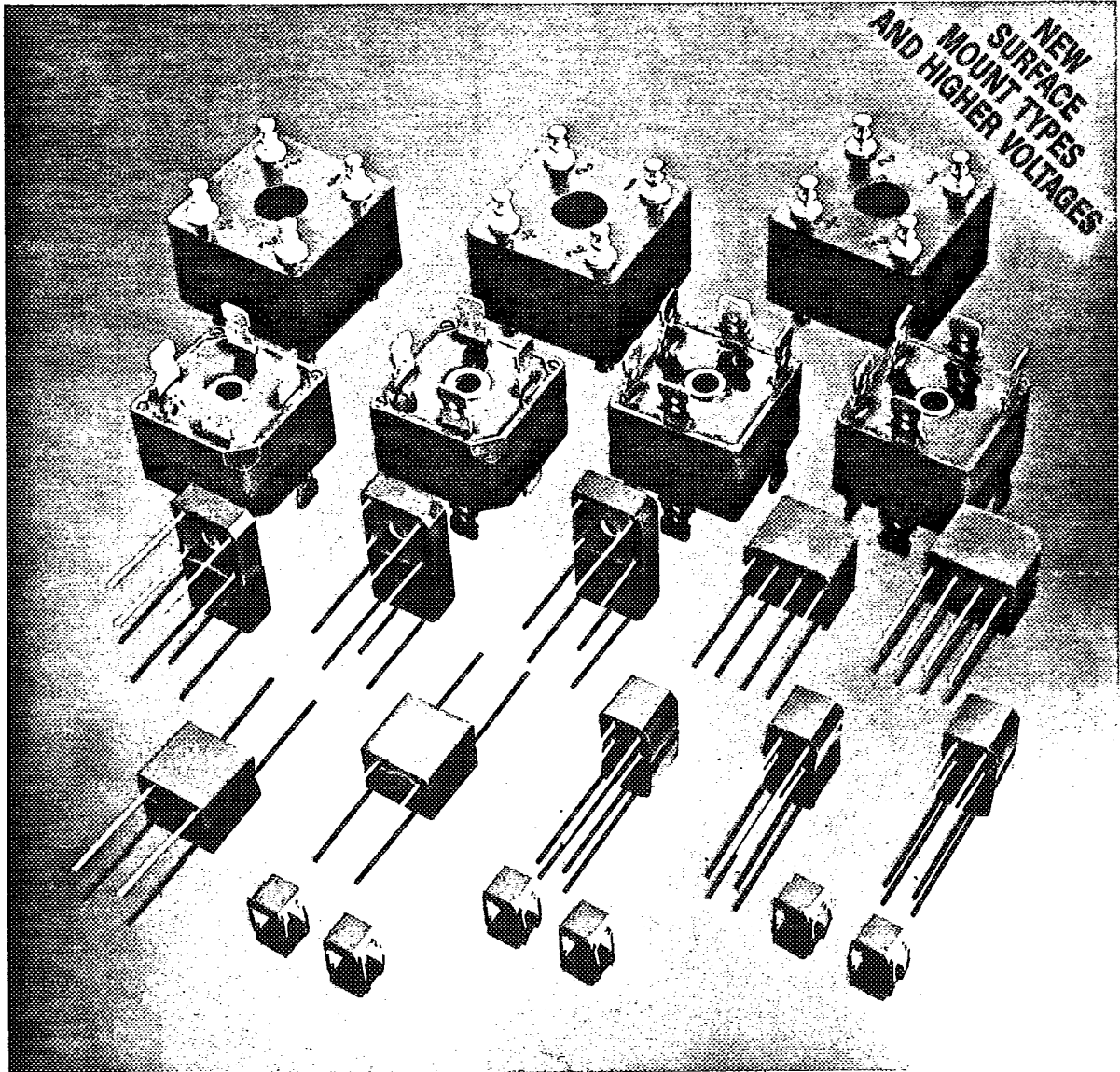


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ENCAPSULATED BRIDGE RECTIFIERS

PART NUMBER CODING

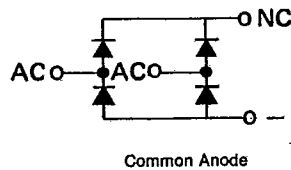
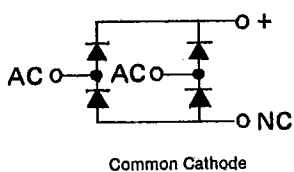
To complete the part number add the voltage code indicated in the table below.

i.e. 1DMB rated at 400V is 1DMB40, 26MB...A rated at 1200V is 26MB120A etc.

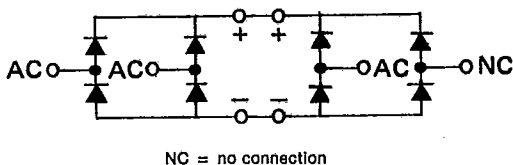
Device Type	I _O (AV) A	Voltage Code	V _{RRM}											
			50V	100V	200V	400V	600V	800V	1000V	1200V	1400V	1600V		
1B..	1.0	2		•	•	•	•	•	•					
1B..S	1.0	3		•	•	•	•	•	•					
1DMB..	1.0	2		•	•	•	•	•	•					
1KAB...E	1.2	2		•	•	•	•	•	•					
18DB..A	1.8	1	•	•	•	•	•	•	•					
2KBB...	1.9	2		•	•	•	•	•	•					
2KBB...R	1.9	2		•	•	•	•	•	•					
2KBP...	2.0	3	•	•	•	•	•	•	•					
KPBC1..	3.0	3	•	•	•	•	•	•	•					
3SB...	3.0	2		•	•	•	•	•	•					
5SB...	5.0	2		•	•	•	•	•	•					
KPBC6...	6.0	3	•	•	•	•	•	•	•					
26MB...A	25.0	2	•	•	•	•	•	•	•		•	•	•	
26MB...B	25.0	2	•	•	•	•	•	•	•		•	•	•	
36MB...A	35.0	2	•	•	•	•	•	•	•		•	•	•	
36MB...B	35.0	2	•	•	•	•	•	•	•		•	•	•	
26MT..A	25.0	2			•	•	•	•	•		•	•	•	
36MT..A	35.0	2			•	•	•	•	•		•	•	•	
Voltage Code 1			05	1	2	4	6	8	10					
Voltage Code 2			5	10	20	40	60	80	100	120	140	160		
Voltage Code 3			005	01	02	04	06	08	10					

CIRCUIT SUGGESTIONS

- 1) Use of single phase bridges in centre tap applications.



- 2) Use of two single phase bridges to form one three phase bridge.



DIN TYPE EQUIVALENTS

DIN No:	IR Part No:
B40C1000	1KAB10E
B80C1000	1KAB20E
B125C1000	1KAB40E
B250C1000	1KAB60E
B380C1000	1KAB80E
B500C1000	1KAB100E
B40C1500	2KBB10
B80C1500	2KBB20
B125C1500	2KBB40
B150C1500	2KBB60
B380C1500	2KBB80
B500C1500	2KBB100

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SINGLE PHASE BRIDGES

Device Type	I _{O(AV)} @ T _C (2)		VRRM range V	I _{RM} (8) μA	I _{FSM} (3) (9) 50Hz 60Hz		I ² t (9) 50Hz 60Hz		O ² √t (3) (4) A ² √s	V _{FM} @ I _{FM} (5) (8)		T _J range °C	Outline	Bulletin
	A	°C			A	A	A ² s	A ² s		V	A			
1B..	1.0	40(1)	100 to 1000	5	30	31	4.5	4.1	64	1.20	1.00	-40 to 150	1	E2788
1B..S	1.0	40(1)	100 to 1000	5	30	31	4.5	4.1	64	1.20	1.00	-40 to 150	2	E2788
1DMB..	1.0	45(1)	100 to 400	10	30	31	4.5	4.1	64	1.00	0.50	-40 to 150	3	E2748
1KAB...E	1.2	45(1)	100 to 1000	10	50	52	12.5	11.3	177	1.10	1.88	-40 to 150	4	E2732
18DB...A	1.8	50	50 to 1000	100	50	52	12.5	11.3	177	1.20	2.83	-40 to 150	5	E2731
2KBB...	1.9	45(1)	100 to 1000	10	50	52	12.5	11.3	177	1.10	3.00	-40 to 10	7	E2733
2KBB...R	1.9	45(1)	100 to 1000	10	50	52	12.5	11.3	177	1.10	3.00	-40 to 150	7	E2733
2KBP...	2.0	50(1)	50 to 1000	10	60	63	18.0	16.0	255	1.00	1.00	-40 to 150	6	E2763
KBPC1...	3.0	50	50 to 1000	10	50	55	12.5	11.4	177	1.10	1.50	-40 to 150	8	E2754
3SB...	3.0	40(1)	100 to 1000	100	40	42	8.0	7.0	155	1.20	5.71	-40 to 140	9	E2703
5SB...	5.0	40(1)	100 to 1000	100	120	126	72.0	66.0	1020	1.20	7.85	-40 to 120	9	E2703
KBPC6...	6.0	50	50 to 1000	10	125	137	78.0	71.0	1105	1.20	3.00	-40 to 150	8	E2754
26MB...A	25.0	65	50 to 1600	10	335	350	560	510	7910	1.10	39.30	-40 to 170 _m	10	E2715
26MB...B	25.0	55	50 to 1000	10	285	300	410	375	4100	1.20	39.30	-65 to 175	11	I2774
36MB...A	35.0	55	50 to 1600	10	400	420	800	735	11310	1.10	55.00	-40 to 170 _m	10	E2735
36MB...B	35.0	55	50 to 1000	10	385	400	730	665	7300	1.20	55.00	-65 to 175	11	I2775

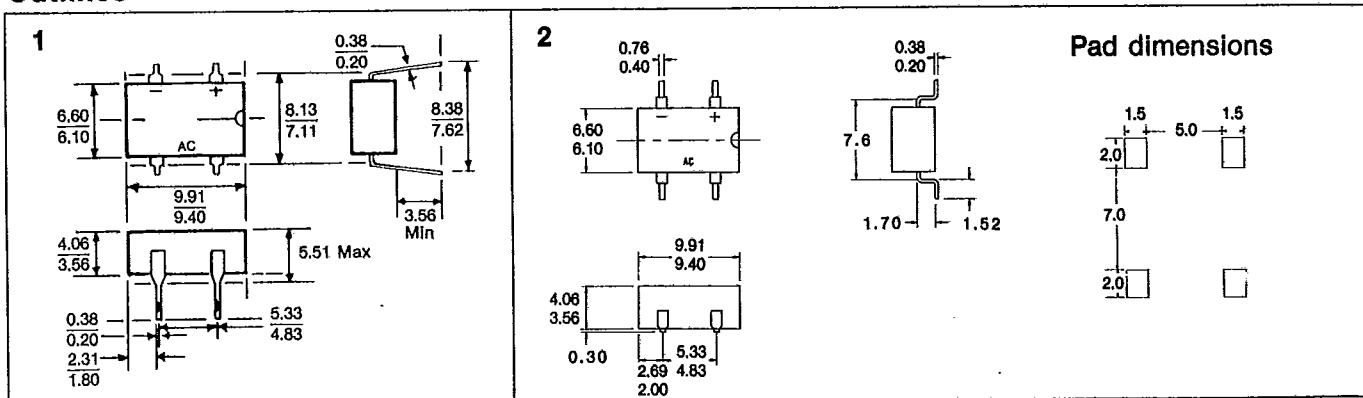
THREE PHASE BRIDGES

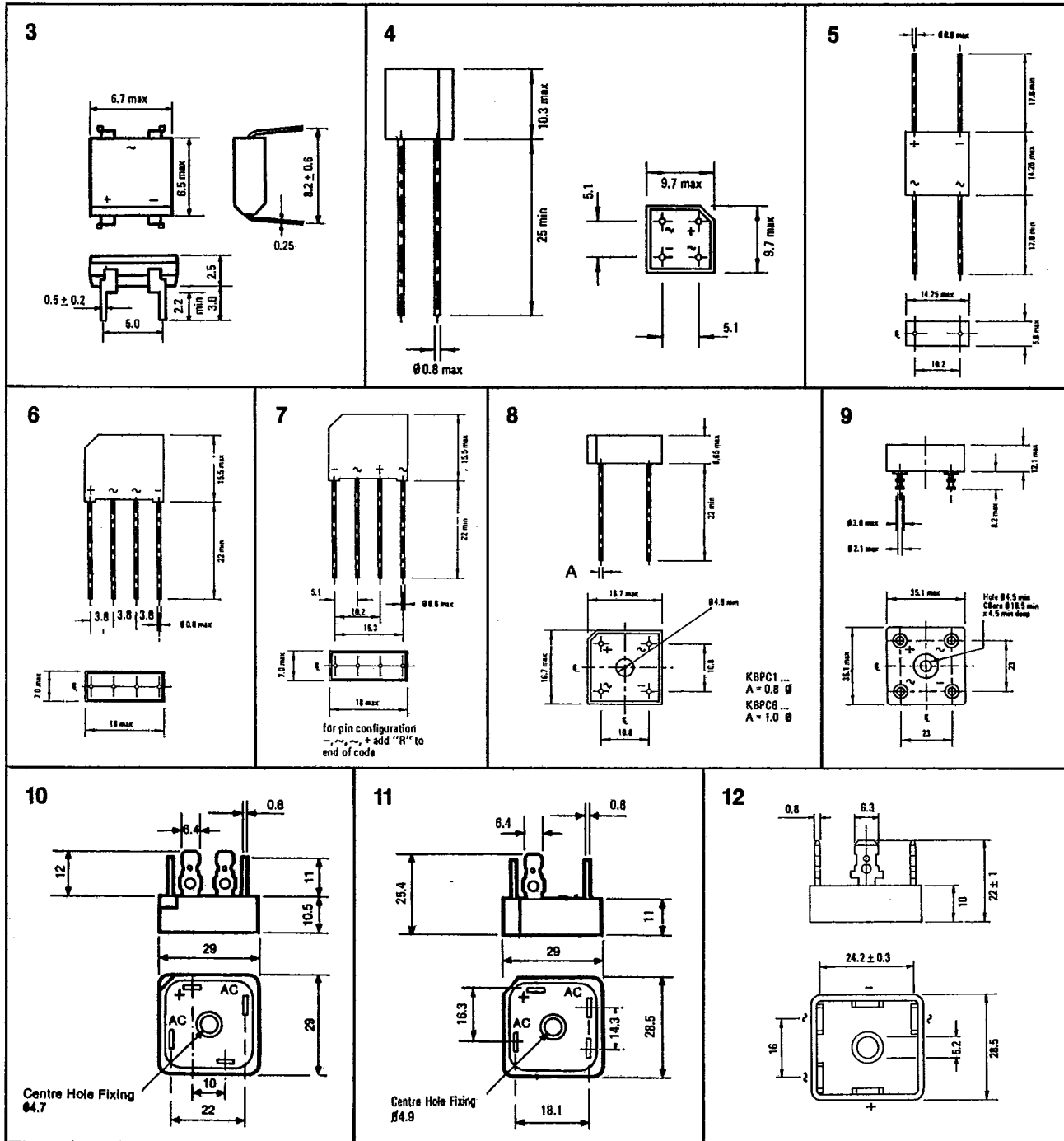
Device Type	I _{O(AV)} @ T _C (2)		VRRM range V	I _{RM} (8) μA	I _{FSM} (3) (9) 50Hz 60Hz		I ² t (9) 50Hz 60Hz		O ² √t (3) (4) A ² √s	V _{FM} @ I _{FM} (5) (8)		T _J range °C	Outline	Bulletin
	A	°C			A	A	A ² s	A ² s		V	A			
26MT...A	25.0	55	200 to 1600	10	330	350	560	510	7910	1.13	40.00	-40 to 150	12	E2771
36MT...A	35.0	60	200 to 1600	10	400	420	800	730	11310	1.07	40.00	-40 to 150	12	E2771

NOTES

- (1) Ambient Temperature
- (2) Resistive or Inductive load
- (3) T_J = T_J max
- (4) t = 0.1 to 10 ms
- (5) Per diode
- (6) T_J = -40 to 150°C for VRRM > 800V
- (7) Per diode
- (8) T_J = 25°C
- (9) 100% VRRM reapplied

Outlines





INTERNATIONAL RECTIFIER



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