

General Purpose Rectifiers

TYPE NO.	V _{RRM} (V)	I _O (A)	T _a	I _{FSM} (A)	I _{RRM} (μA)	V _{FM} (V)	I _F	CASE NO.
			(°C)				(A)	
1N4001	50	1.0	75	30	5	1.1	1.0	R-1 (DO-41)
1N4002	100	1.0	75	30	5	1.1	1.0	
1N4003	200	1.0	75	30	5	1.1	1.0	
1N4004	400	1.0	75	30	5	1.1	1.0	
1N4005	600	1.0	75	30	5	1.1	1.0	
1N4006	800	1.0	75	30	5	1.1	1.0	
1N4007	1000	1.0	75	30	5	1.1	1.0	
FR101	50	1.0	75	30	5	1.3	1.0	R-1 (DO-41)
FR102	100	1.0	75	30	5	1.3	1.0	
FR103	200	1.0	75	30	5	1.3	1.0	
FR104	400	1.0	75	30	5	1.3	1.0	
FR105	600	1.0	75	30	5	1.3	1.0	
FR106	800	1.0	75	30	5	1.3	1.0	
FR107	1000	1.0	75	30	5	1.3	1.0	
1N5391	50	1.5	50	50	5	1.4	1.5	R-2 (DO-15)
1N5392	100	1.5	50	50	5	1.4	1.5	
1N5393	200	1.5	50	50	5	1.4	1.5	
1N5394	300	1.5	50	50	5	1.4	1.5	
1N5395	400	1.5	50	50	5	1.4	1.5	
1N5396	500	1.5	50	50	5	1.4	1.5	
1N5397	600	1.5	50	50	5	1.4	1.5	
1N5398	800	1.5	50	50	5	1.4	1.5	
1N5399	1000	1.5	50	50	5	1.4	1.5	
FR151	50	1.5	75	40	5	1.3	1.5	R-2 (DO-15)
FR152	100	1.5	75	40	5	1.3	1.5	
FR153	200	1.5	75	40	5	1.3	1.5	
FR154	400	1.5	75	40	5	1.3	1.5	
FR155	600	1.5	75	40	5	1.3	1.5	
FR156	800	1.5	75	40	5	1.3	1.5	
FR157	1000	1.5	75	40	5	1.3	1.5	
1N5400	50	3.0	75	150	10	1.2	3.0	R-3
1N5401	100	3.0	75	150	10	1.2	3.0	
1N5402	200	3.0	75	150	10	1.2	3.0	
1N5403	300	3.0	75	150	10	1.2	3.0	
1N5404	400	3.0	75	150	10	1.2	3.0	
1N5405	500	3.0	75	150	10	1.2	3.0	
1N5406	600	3.0	75	150	10	1.2	3.0	
1N5407	800	3.0	75	150	10	1.2	3.0	
1N5408	1000	3.0	75	150	10	1.2	3.0	

General Purpose Rectifiers

TYPE NO.	V _{RRM} (V)	I _O (A)	T _a (°C)	I _{FSM} (A)	I _{RRM} (μA)	V _{FM} (V)	I _F (A)	CASE NO.
FR301	50	3.0	75	200	10	1.3	3.0	R-3
FR302	100	3.0	75	200	10	1.3	3.0	
FR303	200	3.0	75	200	10	1.3	3.0	
FR304	400	3.0	75	200	10	1.3	3.0	
FR305	600	3.0	75	200	10	1.3	3.0	
FR306	800	3.0	75	200	10	1.3	3.0	
FR307	1000	3.0	75	200	10	1.3	3.0	
FR601	50	6.0	75	300	10	1.3	6.0	R-4
FR602	100	6.0	75	300	10	1.3	6.0	
FR603	200	6.0	75	300	10	1.3	6.0	
FR604	400	6.0	75	300	10	1.3	6.0	
FR605	600	6.0	75	300	10	1.3	6.0	
FR606	800	6.0	75	300	10	1.3	6.0	
FR607	1000	6.0	75	300	10	1.3	6.0	
M2	100	1.0	75	50	5	1.1	1.0	R-5
M3	200	1.0	75	50	5	1.1	1.0	
M4	400	1.0	75	50	5	1.1	1.0	
M5	600	1.0	75	50	5	1.1	1.0	
M6	800	1.0	75	50	5	1.1	1.0	
M7	1000	1.0	75	50	5	1.1	1.0	
R250-A	50	6.0	60	400	10	0.95	6.0	R-4
R250-B	100	6.0	60	400	10	0.95	6.0	
R250-D	200	6.0	60	400	10	0.95	6.0	
R250-H	400	6.0	60	400	10	0.95	6.0	
R250-M	600	6.0	60	400	10	0.95	6.0	
R250-S	800	6.0	60	400	10	0.95	6.0	
R250-T	1000	6.0	60	400	10	0.95	6.0	

Bridge Rectifiers

TYPE NO.	V_{RRM} (V)	V_{rms} (V)	I_O		I_{FSM} (A)	I_{RRM} (μA)	V_{FM} (V)	I_F		CASE NO.	EQUIVALENT TYPE
			(A)	T_a (°C)				(A)	(A)		
B40C800W B60C800W B80C800W B125C800W B250C800W B380C800W	90 150 180 300 600 900	40 60 80 125 250 380	1.0* 1.0* 1.0* 1.0* 1.0* 1.0*	25 25 25 25 25 25	50 50 50 50 50 50	10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1	0.8 0.8 0.8 0.8 0.8 0.8		R-6	-
B40C1000W B60C1000W B80C1000W B125C1000W B250C1000W B380C1000W	90 150 180 300 600 900	40 60 80 125 250 380	1.0* 1.0* 1.0* 1.0* 1.0* 1.0*	25 25 25 25 25 25	50 50 50 50 50 50	10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1	1.0 1.0 1.0 1.0 1.0 1.0		R-6	-
B40C1200W B60C1200W B80C1200W B125C1200W B250C1200W B380C1200W	90 150 180 300 600 900	40 60 80 125 250 380	1.2* 1.2* 1.2* 1.2* 1.2* 1.2*	25 25 25 25 25 25	50 50 50 50 50 50	10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1	1.2 1.2 1.2 1.2 1.2 1.2		R-6	-
B40C1500W B60C1500W B80C1500W B125C1500W B250C1500W B380C1500W	90 150 180 300 600 900	40 60 80 125 250 380	1.5* 1.5* 1.5* 1.5* 1.5* 1.5*	25 25 25 25 25 25	50 50 50 50 50 50	10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1	1.5 1.5 1.5 1.5 1.5 1.5		R-6	-
WO 005 WO 01 WO 02 WO 04 WO 06 WO 08 WO 10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	1.5 1.5 1.5 1.5 1.5 1.5 1.5	25 25 25 25 25 25 25	50 50 50 50 50 50 50	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	1.0 1.0 1.0 1.0 1.0 1.0 1.0		R-6	W 005 W 01 W 02 W 04 W 06 W 08 W 10
WO 005M WO 01M WO 02M WO 04M WO 06M WO 08M WO 10M	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	1.5 1.5 1.5 1.5 1.5 1.5 1.5	25 25 25 25 25 25 25	50 50 50 50 50 50 50	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	1.0 1.0 1.0 1.0 1.0 1.0 1.0		R-7	W 005M W 01M W 02M W 04M W 06M W 08M W 10M
2WO 005 2WO 01 2WO 02 2WO 04 2WO 06 2WO 08 2WO 10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	2.0 2.0 2.0 2.0 2.0 2.0 2.0	25 25 25 25 25 25 25	50 50 50 50 50 50 50	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0		R-8	2W 005 2W 01 2W 02 2W 04 2W 06 2W 08 2W 10

* For capacitive load + Heat sink temperature

Bridge Rectifiers

TYPE NO.	V_{RRM} (V)	V_{rms} (V)	I_O (A)	T_a	I_{FSM} (A)	I_{RRM} (μA)	V_{FM} (V)	I_F	CASE NO.	EQUIVALENT TYPE
				($^{\circ}C$)				(A)		
2W005M 2W01M 2W02M 2W04M 2W06M 2W08M 2W10M	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	2.0 2.0 2.0 2.0 2.0 2.0 2.0	25 25 25 25 25 25 25	50 50 50 50 50 50 50	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 1.0 1.0 1.0	R-9	2W005M 2W01M 2W02M 2W04M 2W06M 2W08M 2W10M
S005 S01 S02 S04 S06 S08 S10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	3.0 3.0 3.0 3.0 3.0 3.0 3.0	75 + 75 + 75 + 75 + 75 + 75 + 75 +	30 30 30 30 30 30 30	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.5 1.5 1.5 1.5 1.5 1.5 1.5	R-10	KBPC1005 KBPC101 KBPC102 KBPC104 KBPC106 KBPC108 KBPC110
KBPC1005 KBPC101 KBPC102 KBPC104 KBPC106 KBPC108 KBPC110	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	3.0 3.0 3.0 3.0 3.0 3.0 3.0	75 + 75 + 75 + 75 + 75 + 75 + 75 +	30 30 30 30 30 30 30	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.5 1.5 1.5 1.5 1.5 1.5 1.5	R-10	S005 S01 S02 S04 S06 S08 S10
PWS005 PWS01 PWS02 PWS04 PWS06 PWS08 PWS10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	6.0 6.0 6.0 6.0 6.0 6.0 6.0	75 75 75 75 75 75 75	125 125 125 125 125 125 125	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0	R-11	KBPC6005 KBPC601 KBPC602 KBPC604 KBPC606 KBPC608 KBPC610
KBPC6005 KBPC601 KBPC602 KBPC604 KBPC606 KBPC608 KBPC610	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	6.0 6.0 6.0 6.0 6.0 6.0 6.0	75 75 75 75 75 75 75	125 125 125 125 125 125 125	10 10 10 10 10 10 10	1.0 1.0 1.0 1.0 1.0 1.0 1.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0	R-11	PWS005 PWS01 PWS02 PWS04 PWS06 PWS08 PWS10
PW005 PW01 PW02 PW04 PW06 PW08 PW10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	8.0 8.0 8.0 8.0 8.0 8.0 8.0	75 75 75 75 75 75 75	125 125 125 125 125 125 125	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	4.0 4.0 4.0 4.0 4.0 4.0 4.0	R-12	KBPC8005 KBPC801 KBPC802 KBPC804 KBPC806 KBPC808 KBPC810

* For capacitive load + Heat sink temperature

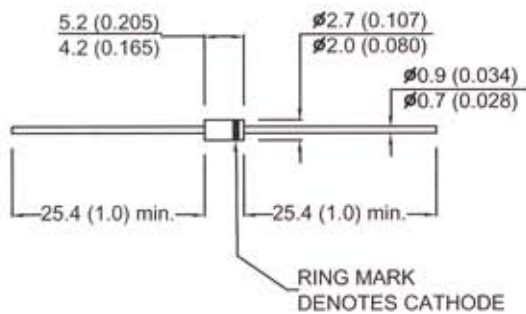
Bridge Rectifiers

TYPE NO.	V_{RRM} (V)	V_{rms} (V)	I_O (A)	T_a	I_{FSM} (A)	I_{RRM} (μA)	V_{FM} (V)	I_F	CASE NO.	EQUIVALENT TYPE
				(°C)				(A)		
KBPC8005 KBPC801 KBPC802 KBPC804 KBPC806 KBPC808 KBPC810	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	8.0 8.0 8.0 8.0 8.0 8.0 8.0	75 75 75 75 75 75 75	125 125 125 125 125 125 125	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	4.0 4.0 4.0 4.0 4.0 4.0 4.0	R-12	PW005 PW01 PW02 PW04 PW06 PW08 PW10
KBPC10005 KBPC1001 KBPC1002 KBPC1004 KBPC1006 KBPC1008 KBPC1010	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	10 10 10 10 10 10 10	50 50 50 50 50 50 50	150 150 150 150 150 150 150	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	5.0 5.0 5.0 5.0 5.0 5.0 5.0	R-12	-
J005 J01 J02 J04 J06 J08 J10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	15 15 15 15 15 15 15	55 55 55 55 55 55 55	300 300 300 300 300 300 300	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	7.5 7.5 7.5 7.5 7.5 7.5 7.5	R-13	KBPC15005 KBPC1501 KBPC1502 KBPC1504 KBPC1506 KBPC1508 KBPC1510
KBPC15005 KBPC1501 KBPC1502 KBPC1504 KBPC1506 KBPC1508 KBPC1510	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	15 15 15 15 15 15 15	55 55 55 55 55 55 55	300 300 300 300 300 300 300	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	7.5 7.5 7.5 7.5 7.5 7.5 7.5	R-13	J005 J01 J02 J04 J06 J08 J10
K005 K01 K02 K04 K06 K08 K10	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	25 25 25 25 25 25 25	55 55 55 55 55 55 55	300 300 300 300 300 300 300	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	12.5 12.5 12.5 12.5 12.5 12.5 12.5	R-13	KBPC25005 KBPC2501 KBPC2502 KBPC2504 KBPC2506 KBPC2508 KBPC2510
KBPC25005 KBPC2501 KBPC2502 KBPC2504 KBPC2506 KBPC2508 KBPC2510	50 100 200 400 600 800 1000	35 70 140 280 420 560 700	25 25 25 25 25 25 25	55 55 55 55 55 55 55	300 300 300 300 300 300 300	10 10 10 10 10 10 10	1.1 1.1 1.1 1.1 1.1 1.1 1.1	12.5 12.5 12.5 12.5 12.5 12.5 12.5	R-13	K005 K01 K02 K04 K06 K08 K10

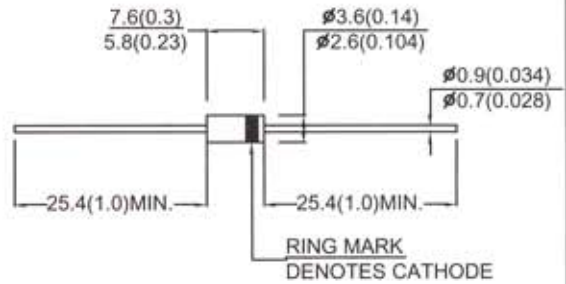
* For capacitive load + Heat sink temperature

Mechanical Outlines - Rectifier

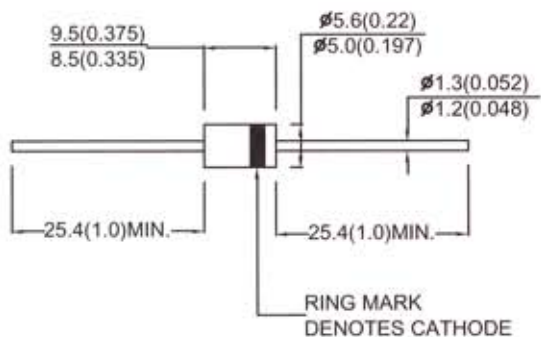
CASE R-1



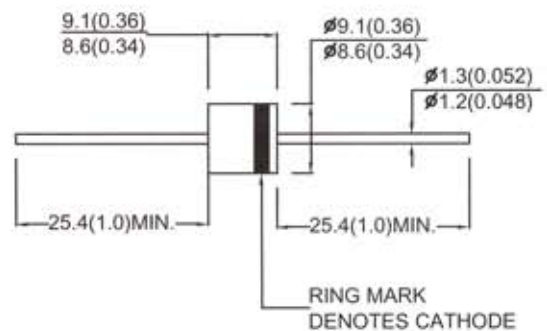
CASE R-2



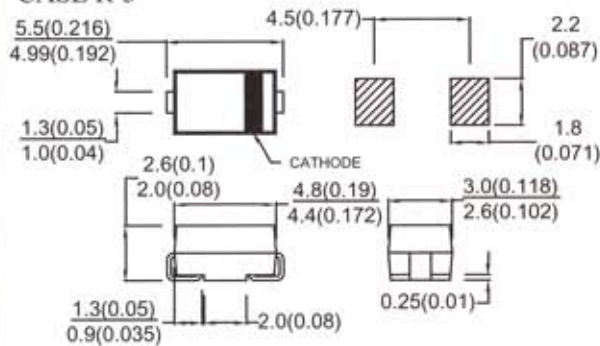
CASE R-3



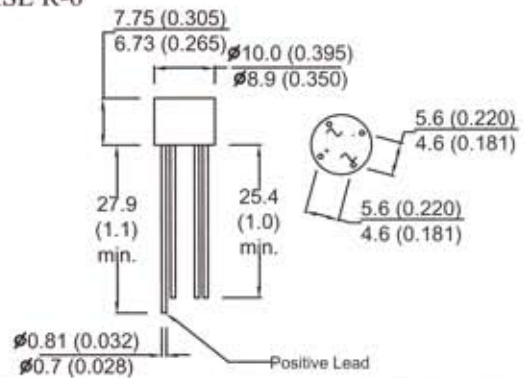
CASE R-4



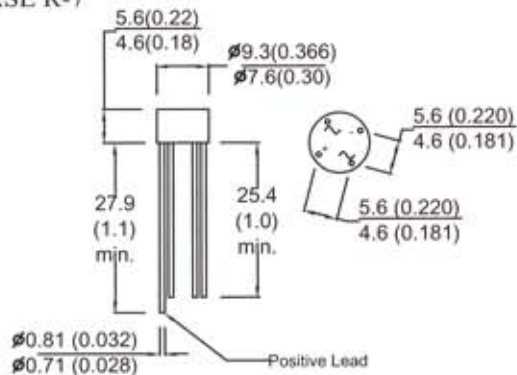
CASE R-5



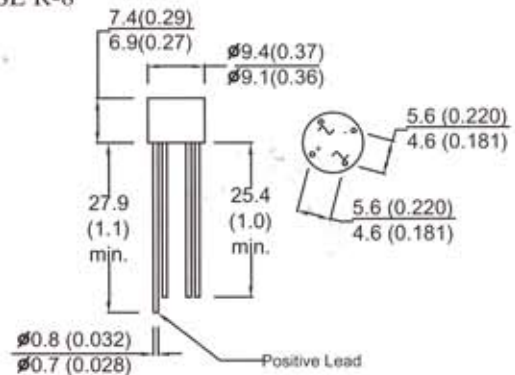
CASE R-6



CASE R-7



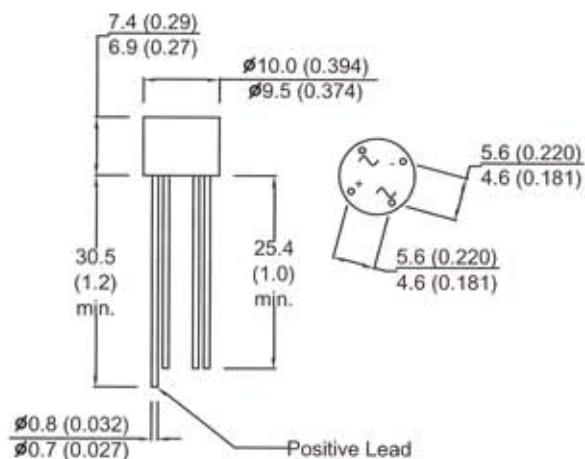
CASE R-8



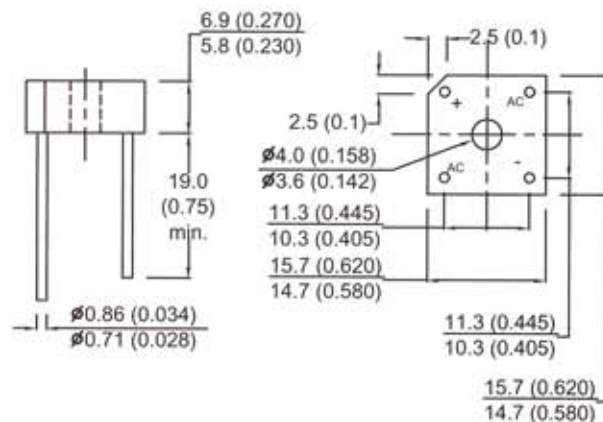
Unit : mm (inch), Tolerance : +/- 0.3mm (0.012inch), No scale

Mechanical Outlines - Rectifier

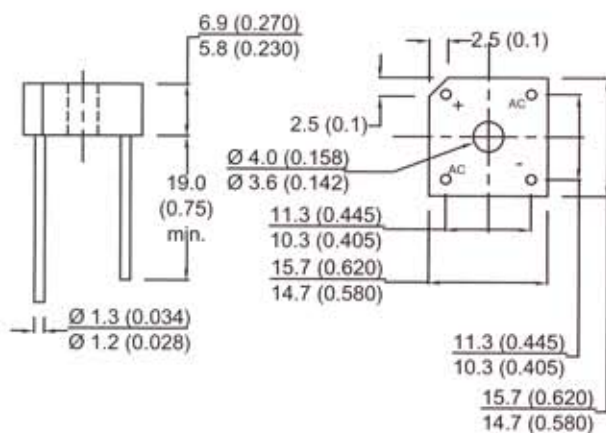
CASE R-9



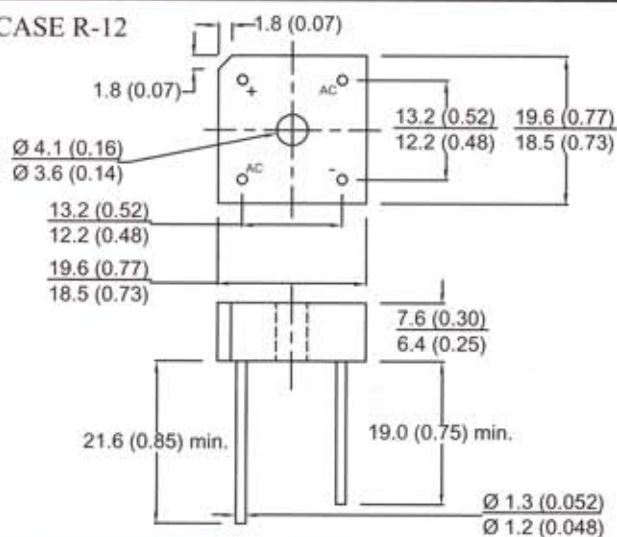
CASE R-10



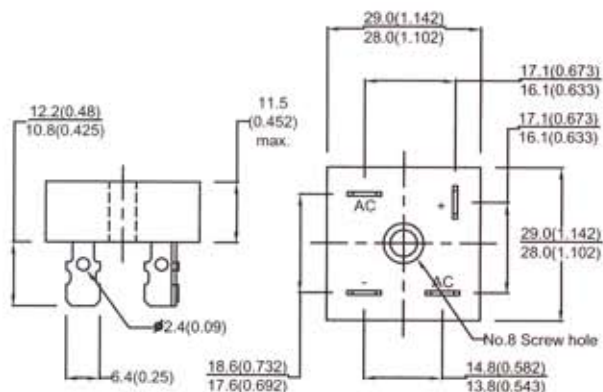
CASE R-11



CASE R-12



CASE R-13



Unit : mm (inch), Tolerance : +/- 0.3mm (0.012inch), No scale