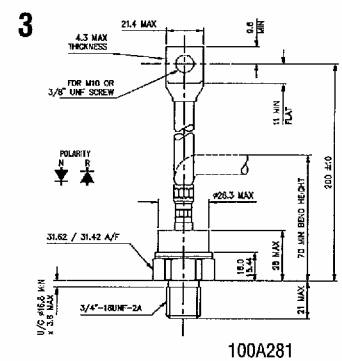
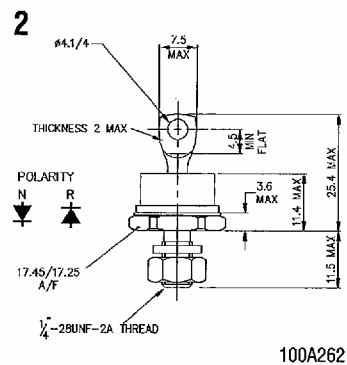
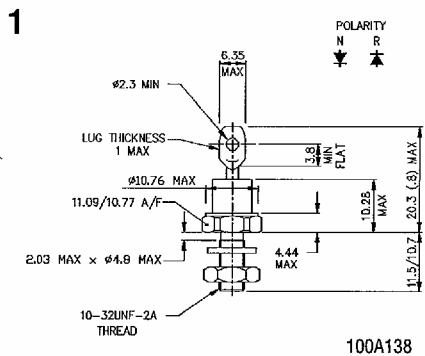


# Rectifier Diodes ~ Stud & flat base types

Type	$V_{RRM}$ Range  (Note 5) (V)	$I_{F(AV)}$ at $T_{CASE}$  (A) (°C)	$I_{F(RMS)}$ @25°C  (A)	$I_F$ @25°C  (A)	$I_{FSM(1)}$ 10ms $V_R \leq 60\%$ $V_{RRM}$ (Note 2) (A)	$I_{FSM(2)}$ 10ms $V_R \leq 10V$  (Note 2) (A)	$I^2t_{(2)}$ 10ms  (Note 2) (A <sup>2</sup> s)	$I_{RRM}$   (mA)	$V_0$ @ $T_j$ Max.  (Note 1) (V)
SWxPCN012	200-1200	17(100)	40	40	210	240	288	3	0.98
SWxPCN020	200-1200	30(115)	47	47	245	282	397	3	1.09
SWxPCN030	200-1200	30(125)	47	47	350	400	800	3	0.90
SWxPCN040	200-1200	70(110)	118	118	650	750	2800	10	1.00
SWxPCN055	200-1200	75(110)	118	118	900	1035	5360	10	0.89
SWxPCN075	200-1200	75(135)	118	118	1300	1495	11175	10	0.925
SWxPHN300 SWxHHN300	200-1500	380(100)	600	600	5500	6050	$183 \times 10^3$	15	0.95
SWxPHN320 SWxHHN320	1600-2400	320(100)	600	600	4000	4400	$97 \times 10^3$	15	1.00
SWxPHN380 SWxHHN380	1600-2400	370(100)	600	600	5500	6050	$183 \times 10^3$	15	0.99
SWxPHN400 SWxHHN400	200-1500	400(120)	630	630	7500	8250	$340 \times 10^3$	15	0.80
SWxKBR515	3800-4400	510 *	1175	980	9200	10580	$559 \times 10^3$	30	1.00
SWxKBR595	3000-3600	590 *	1400	1140	10600	12200	$732 \times 10^3$	30	0.90
SWxKBR635	2400-3000	630 *	1500	1222	12700	14600	$1.07 \times 10^6$	30	0.87
SWxKBR805	200-2200	800 *	1500	1260	15400	17700	$1.56 \times 10^6$	30	0.87
SWxKBR935	200-1200	935 *	1500	1430	19500	22400	$2.5 \times 10^6$	30	0.79

\*  $T_{SINK} 100^\circ\text{C}$



r @ Tj Max.	V <sub>FM</sub> at I <sub>FM</sub> @ Tj Max.		Tj Max.	Rth j-c		Rth c-hs	Wt	Mounting Torque	Fig. No.	Type
	(V)	(A)		d.c. 180°sine	120° Rect.					
(Note 1) (mΩ)	(V)	(A)	(°C)	(K/W)	(K/W)	(K/W)	(gm)	(Kgm)		
11.60	1.62	55	150	2.00	2.94	0.25	6	0.21-0.24	1	<b>PCN012</b>
5.7	1.77	120	175	1.25	1.86	0.25	6	0.21-0.24	1	<b>PCN020</b>
5.7	1.64	130	175	1.25	1.86	0.25	6	0.21-0.24	1	<b>PCN030</b>
2.0	1.50	250	175	0.68	0.90	0.10	17	0.25-0.35	2	<b>PCN040</b>
2.0	1.42	265	175	0.68	0.90	0.10	17	0.25-0.35	2	<b>PCN055</b>
1.5	1.51	390	175	0.44	0.58	0.10	17	0.25-0.35	2	<b>PCN075</b>
0.75	2.07	1500	180	0.13	0.14	0.04	250	2.5-2.77	3	<b>PHN300</b>
									4	<b>HHN300</b>
0.83	1.97	1160	180	0.15	0.16	0.04	250	2.5-2.77	5	<b>PHN320</b>
									6	<b>HHN320</b>
0.74	1.85	1160	180	0.13	0.14	0.04	250	2.5-2.77	5	<b>PHN380</b>
									6	<b>HHN380</b>
0.55	1.62	1500	190	0.13	0.14	0.04	250	2.5-2.77	3	<b>PHN400</b>
									4	<b>HHN400</b>
0.575	1.92	1600	160	0.065*	0.072*	-	936	1.66-2.07	7	<b>KBR515</b>
0.388	1.62	1850	160	0.065*	0.072*	-	936	1.66-2.07	7	<b>KBR595</b>
0.323	1.51	1980	160	0.065*	0.072*	-	936	1.66-2.07	7	<b>KBR635</b>
0.28	1.57	2510	175	0.065*	0.072*	-	936	1.66-2.07	7	<b>KBR805</b>
0.192	1.35	2940	175	0.065*	0.072*	-	936	1.66-2.07	7	<b>KBR935</b>

\* Rth j-hs

