



STANDARD DIODES SELECTOR GUIDE

TYPE	VRRM	IRRM	IF (AV) at Tc		IFSM (2) 1 pulse	I2t (2) for fusing	Junction temperature range	V0	rt	Chip	storage temp.	RthJC (3)	Typical reverse recovery time		PACKAGE INFORMATION			
	max	typical											@ Tj=25°C		Mounting force or torque	Style	Outline	contact/ flange/ height (mm)
	Tj = Tj max (V)	Tj = Tj max (mA)	(A)	(°C)	current code	(kA)	(kA2s)	(°C)	(V)	Tj = Tj max (mΩ)	size (mm)	(°C)	(°C/W)	IFM (A)				

STUD DIODES

Up to 1600V

R510/R511--10	1200	30	100	130	10	2,3@8,3ms	22 @8,3ms	- 65 to 200	0,80	1,99	16	- 65 to 200	0,28	314	25	7	14 Nm	3/8"-24 Stud (1)(4)(6)	R51	-
R510/R511--15	1200	30	150	110	15	3@8,3ms	37,5@8,3ms	- 65 to 200	0,85	1,08	16	- 65 to 200	0,28	314	25	7	14 Nm	3/8"-24 Stud (1)(4)(6)	R51	-
R500/R501--10	1600	30	100	160	10	2,3@8,3ms	22 @8,3ms	- 65 to 200	0,8	1,99	16	- 65 to 200	0,28	314	25	7	14 Nm	3/8"-24 Stud (1)(4)	R50	-
R500/R501--15	1600	30	150	145	15	3@8,3ms	37,5@8,3ms	- 65 to 200	0,85	1,08	16	- 65 to 200	0,28	314	25	7	14 Nm	3/8"-24 Stud (1)(4)	R50	-
R500/R501--14 +	1400	25	140	125	14	2,5@10ms	32,2@10ms	- 65 to 190	0,95	1	16	- 65 to 200	0,30	314	25	6	14 Nm	3/8"-24 Stud (1)(4)	R50	-
R500/R501--17 +	1400	25	170	125	17	3@10ms	45@10ms	- 65 to 190	0,85	0,64	16	- 65 to 200	0,30	314	25	6	14 Nm	3/8"-24 Stud (1)(4)	R50	-
R600/R601--33 +	1200	50	330	125	33	6,5@10ms	211@10ms	- 55 to 190	0,80	0,63	23	- 55 to 200	0,13	785	25	9	41 Nm	3/4"-16 Stud(1)	R60	-
R700/R701--05	1600	50	550	125	5	10@8,3ms	416@8,3ms	- 65 to 175	0,65	0,25	33	- 65 to 200	0,12	1500	25	15	41 Nm	3/4"-16 Stud(1)	R70	-
R700/R701--50 +	1200	50	500	125	50	10@10ms	500@10ms	- 55 to 190	0,70	0,32	33	- 55 to 200	0,10	1100	25	9	35Nm	3/4"-16 Stud(1)	R70	-

Up to 2600V

R600/R601--20	2600	50	200	140	20	5,5@8,3ms	125@8,3ms	- 65 to 150	0,84	0,94	23	- 65 to 190	0,13	785	25	9	41 Nm	3/4"-16 Stud(1)	R60	-
R600/R601--25	2600	50	250	130	25	6@8,3ms	150@8,3ms	- 65 to 150	0,88	0,72	23	- 65 to 190	0,13	785	25	11	41 Nm	3/4"-16 Stud(1)	R60	-
R600/R601--30	2600	50	300	120	30	6,5@8,3ms	175@8,3ms	- 65 to 150	0,92	0,53	23	- 65 to 190	0,13	785	25	13	41 Nm	3/4"-16 Stud(1)	R60	-
R600/R601--23 +	2600	50	230	100	23	5@10ms	125@10ms	- 55 to 150	0,84	0,94	23	- 55 to 200	0,13	785	25	13	41 Nm	3/4"-16 Stud(1)	R60	-
R600/R601--30 +	2200	50	300	110	30	5,5@10ms	151@10ms	- 55 to 175	0,82	0,82	23	- 55 to 200	0,13	785	25	11	41 Nm	3/4"-16 Stud(1)	R60	-
R700/R701--04	2600	50	450	100	4	8,5@8,3ms	266@8,3ms	- 65 to 150	0,83	0,40	33	- 65 to 200	0,12	1500	25	11	41 Nm	3/4"-16 Stud(1)	R70	-
R700/R701--44 +	2200	50	440	110	44	9@10ms	405@10ms	- 55 to 175	0,80	0,42	33	- 55 to 200	0,10	1100	25	11	35Nm	3/4"-16 Stud(1)	R70	-

Up to 3600V

R700/R701--32 +	3000	50	315	100	32	8@10ms	320@10ms	- 55 to 150	0,90	0,52	33	- 55 to 200	0,10	1100	25	13	35Nm	3/4"-16 Stud(1)	R70	-
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Up to 4500V

R700/R701--03	4400	50	300	80	3	7@8,3ms	204@8,3ms	- 65 to 150	0,92	0,55	33	- 65 to 200	0,12	1500	25	9	41 Nm	3/4"-16 Stud(1)	R70	-
R700/R701--25 +	4000	50	245	100	25	7@10ms	245@10ms	- 55 to 150	1,30	0,60	33	- 55 to 200	0,10	1100	25	15	35Nm	3/4"-16 Stud(1)	R70	-

PRESS PAK DIODES

Up to 800V

RAS00412XX°	400	100	12000	68	12	57,3@10ms Vr=0	16416@10ms Vr=0	- 40 to 175	0,978	0,005	67	- 50 to 200	0,008	400	25	25	40 to 48,9 kN	Press pak	RAS	63/100/26,2
RBS8--70	600	100	7000	79	70	55@10ms	15125@10ms	- 40 to 175	0,645	0,044	77	- 40 to 175	0,0095	1500	25	25	26,6 to 44,4 kN	Press pak	RBS	73/113/26

Up to 1600V

R620--48 +	1200	50	485	125	48	6,5@10ms	211@10ms	- 55 to 190	0,80	0,63	23	- 55 to 200	0,07	785	25	9	5,4kN	Press pak	R62	20/42/13,6
A390--	1600	25	400	117	-	7@8,3ms	204@8,3ms	- 40 to 200	1,40V 144°C 400A	23	- 40 to 200	0,095	-	-	-	3,2 to 4 kN	Press pak	R62	20/42/13,6	
R720--12	1600	50	1200	95	12	12,5@8,3ms	650@8,3ms	- 65 to 175	0,68	0,24	33	- 65 to 200	0,055	1500	25	13	9 to 11 kN	Press pak	R72	35/60/26,4
A430-- +	1500	50	1375	55	-	10 @8,3ms	415 @8,3ms	- 40 to 200	0,62	0,254	30	- 40 to 200	0,06	1500	25	10	8 to 9,8 kN	Press pak	R72	35/60/26,4
R720--80 +	1200	50	810	125	80	10@10ms	500@10ms	- 55 to 190	0,70	0,32	33	- 55 to 200	0,05	1100	25	9	10 kN	Press pak	R72	35/60/26,4
R750--13	1600	150	1300	90	13	16,5@8,3ms Vr=0	1360@8,3ms Vr=0	- 40 to 175	0,749	0,196	33	-50 to 200	0,035	1500	25	25	9 to 11 kN	Press pak	R7S	30/49/15,4
R750--16	1600	50	1600	98	16	12,8@10ms	819@10ms	- 65 to 200	0,63	0,293	30	- 65 to 200	0,035	1500	25	7	9 to 11 kN	Press pak	R7S	30/49/14,4
R7H0--16	1600	50	1600	98	16	12,8@10ms	819@10ms	- 65 to 200	0,63	0,293	30	- 65 to 200	0,035	1500	25	7	9 to 11 kN	Press pak	R7H	25/41/14,6
R9G0--22	1600	150	2200	134	22	27,4@10ms	3750@10ms	- 40 to 150	0,79	0,088	50	- 40 to 190	0,02	1500	25	15	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--26 +	1400	50	2600	100	26	38@10ms	7220@10ms	- 55 to 190	0,58	0,120	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
RA20--48	1200	150	4800	98	48	44,6@10ms	9945@10ms	- 40 to 190	0,65	0,063	67	- 40 to 200	0,013	1500	25	16	41 to 50 kN	Press pak (5)	RA2	63/100/34

RBK8--63	1600	100	6300	100	63	115,9@10ms Vr=0	67200@10ms Vr=0	- 40 to 190	0,688	0,036	77	- 40 to 200	0,0115	400	25	25	26,6 to 44,4 kN	Press pak	RB2	73/113/36
RBS8--72	1600	100	7200	84	72	115,9@10ms Vr=0	67200@10ms Vr=0	- 40 to 190	0,704	0,0479	77	- 50 to 200	0,0095	2000	25	35	26,6 to 44,4 kN	Press pak	RBS	73/113/26
RB20--80 +	1600	100	8000	68	80	79@10ms Vr=0	31200@10ms Vr=0	- 40 to 190	0,70	0,035	77	- 40 to 190	0,011	-	-	-	27 to 40 kN	Press pak (5)	RB2	73/113/36
RDS8--10	1200	300	10000	90	10	111@10ms Vr=0	61600@10ms Vr=0	- 40 to 175	0,64	0,023	100	- 50 to 200	0,008	400	25	25	71,2 to 89 kN	Press pak	RDS	100/144/27

Up to 2600V

R620--30	2400	50	300	140	30	5,5@8,3ms	125@8,3ms	- 65 to 150	0,92	0,88	23	- 65 to 190	0,095	785	25	11	4,5 to 6,3 kN	Press pak	R62	20/42/13,6
R620--40	2400	50	400	130	40	6@8,3ms	150@8,3ms	- 65 to 150	0,89	0,74	23	- 65 to 190	0,095	785	25	11	4,5 to 6,3 kN	Press pak	R62	20/42/13,6
R620--50	2400	50	500	115	50	6,5@8,3ms	175@8,3ms	- 65 to 150	0,85	0,63	23	- 65 to 190	0,095	785	25	11	4,5 to 6,3 kN	Press pak	R62	20/42/13,6
R620--35 +	3000	50	345	100	35	5@10ms	125@10ms	- 55 to 150	0,84	0,94	23	- 55 to 200	0,07	785	25	13	5,4kN	Press pak	R62	20/42/13,6
R620--44 +	2200	50	440	110	44	5,5@10ms	151@10ms	- 55 to 175	0,82	0,82	23	- 55 to 200	0,07	785	25	11	5,4kN	Press pak	R62	20/42/13,6
R720--09	2600	50	900	85	9	8,5@8,3ms	301@8,3ms	- 65 to 150	0,84	0,42	33	- 65 to 200	0,055	1500	25	10	9 to 11 kN	Press pak	R72	35/60/26,4
R720--70 +	2200	50	710	110	70	9@10ms	405@10ms	- 55 to 175	0,80	0,42	33	- 55 to 200	0,05	1100	25	11	10 kN	Press pak	R72	35/60/26,4
R7S0--08	2400	50	800	121	8	7,75@10ms	300@10ms	- 65 to 175	0,91	0,518	33	- 65 to 200	0,035	1500	25	10	9 to 11 kN	Press pak	R7S	30/49/14,4
R7S0--12	2400	50	1200	86	12	9@10ms	337@10ms	- 65 to 175	0,831	0,441	33	- 65 to 200	0,035	1500	25	10	9 to 11 kN	Press pak	R7S	30/49/14,4
R7S0--15	2400	150	1500	98	15	14@8,3ms	817@8,3ms	- 40 to 200	0,694	0,345	33	- 50 to 200		1500	25	25	9 to 11 kN	Press pak	R7S	30/49/15,4
R820--16	2600	75	1600	82	16	12,95@10ms Vr=0	699@10ms Vr=0	- 40 to 175	0,68	0,247	38	- 50 to 190	0,035	400	25	25	13,3 to 15,5 kN	Press pak	R82	35/60/26,4
R9G0--21	2400	150	2100	124	21	26,5@10ms	3510@10ms	- 40 to 190	0,618	0,192	50	- 40 to 190	0,02	1500	25	25	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--21	2200	75	2100	118	21	22@8,3ms	2002@8,3ms	- 40 to 175	0,912	0,089	50	- 50 to 200	0,02	1500	25	25	24,5 to 26,7	Press pak (5)	R9G	47/75/26,7
A451--	2200	50	2500	88	-	27,3@10ms	2725@10ms	- 40 to 175	0,66	0,128	50	- 40 to 200	0,025	-	-	-	22,2 to 24,5 kN	Press pak	R9G	47/75/26,7
R9G0--22 +	2400	50	2200	100	22	30@10ms	4500@10ms	- 55 to 190	0,61	0,200	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--21 +	2600	50	2100	75	21	26,7@10ms	3560@10ms	- 55 to 175	0,68	0,220	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9S0--30	2600	75	3000	115	30	28,6@8,33ms Vr=0	03410@8,33ms Vr=0	- 50 to 200	0,91	0,089	50	- 40 to 175	0,015	1500	25	25	24,5 to 26,7kN	Press pak	R9S	47/75/16,5
RA20--36	2400	150	3600	100	36	36,5@10ms	6660@10ms	- 40 to 175	0,66	0,113	67	- 40 to 200	0,013	1500	25	22	41 to 50 kN	Press pak (5)	RA2	63/100/34
RAS8--54	2400	150	5400	90	54	115@10ms Vr=0	66125@10ms Vr=0	- 40 to 175	0,734	0,067	67	- 50 to 200	0,011	1500	25	25	40 to 48,9 kN	Press pak	RA2	63/100/26,2
RBK8--50	2400	150	5000	80	50	87,1@10ms Vr=0	38000@10ms Vr=0	- 40 to 175	0,680	0,080	77	- 50 to 200	0,0115	400	25	25	26,6 to 44,4 kN	Press pak	RB2	73/113/38,1
RBS8--56	2400	150	5680	78	56	98,5@10ms Vr=0	48600@10ms Vr=0	- 40 to 175	0,680	0,080	77	- 50 to 200	0,0095	400	25	25	26,6 to 44,4 kN	Press pak	RBS	73/113/27,4
RB20--38 +	2600	100	3800	124	38	63@10ms Vr=0	19800@10ms Vr=0	- 40 to 185	0,71	0,08	77	- 40 to 190	0,011	-	-	-	27 to 40 kN	Press pak (5)	RB2	73/113/36
RDS8--80	2500	300	8000	90	80	92,5@10ms Vr=0	4280@10ms Vr=0	- 40 to 175	0,654	0,0382	100	- 50 to 200	0,0075	400	25	25	71,2 to 89 kN	Press pak	RDS	100/144/27
R720--52 +	3000	50	520	100	52	8@10ms	320@10ms	- 55 to 150	0,90	0,52	33	- 55 to 200	0,05	1100	25	13	10 kN	Press pak	R72	35/60/26,4
R9G0--18	3200	150	1800	110	18	19,6@10ms	1920@10ms	- 40 to 175	0,814	0,224	50	- 40 to 190	0,02	1500	25	25	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--17 +	3600	50	1700	60	17	20@10ms	2000@10ms	- 55 to 150	0,74	0,330	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--18 +	3600	50	1800	80	18	21,5@10ms	2300@10ms	- 55 to 175	0,69	0,320	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
RBS8--45	3200	125	4500	94	45	62,4@10ms Vr=0	19500@10ms Vr=0	- 40 to 175	0,786	0,0997	77	- 50 to 200	0,0095	1500	25	25	26,6 to 44,4 kN	Press pak	RBS	73/113/26
RB20--35 +	3200	100	3500	115	35	57@10ms Vr=0	16200@10ms Vr=0	- 40 to 175	0,84	0,08	77	- 40 to 175	0,011	-	-	-	27 to 40 kN	Press pak (5)	RB2	73/113/36
RDk8--85	3000	300	8500	90	85	92,5@10ms Vr=0	42800@10ms Vr=0	- 40 to 160	0,762	0,053	100	- 50 to 190	0,0063	400	25	35	71,2 to 89 kN	Press pak	RD2	100/144/36

Up to 4500V

R720--06	4400	50	600	85	6	7@8,3ms	204@8,3ms	- 65 to 150	0,92	0,61	33	- 65 to 200	0,055	1500	25	7	9 to 11 kN	Press pak	R72	35/60/26,4
R9G0--10 +	4400	50	1000	90	10	13,4@10ms	900@10ms	- 55 to 150	0,91	0,620	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
R9G0--13 +	4000	50	1300	75	13	16@10ms	1280@10ms	- 55 to 150	0,83	0,470	50	- 55 to 200	0,018	-	-	-	22,7 to 27 kN	Press pak (5)	R9G	47/75/26,7
RA20--25	4200	150	2500	100	25	25,5@10ms	3250@10ms	- 40 to 150	0,74	0,132	67	- 40 to 200	0,013	1500	25	25	41 to 50 kN	Press pak (5)	RA2	63/100/34
RBS8--35	4200	150	3500	89	35	77,4@10ms Vr=0	29900@10ms Vr=0	- 40 to 150	0,77	0,125	77	- 50 to 200	0,0095	2000	25	25	26,6 to 44,4 kN	Press pak	RBS	73/113/26
RBS8--45	4500	150	4500	80	45	85@10ms Vr=0	36125@10ms Vr=0	- 40 to 175	0,75	0,133	77	- 50 to 200	0,0095	2000	25	30	26,6 to 44,4 kN	Press pak	RBS	73/113/26
RBK8--40	4500	150	4000	80	40	65,5@10ms Vr=0	17900@10ms Vr=0	- 40 to 175	0,75	0,133	77	- 50 to 200	0,0115	2000	25	30	26,6 to 44,4 kN	Press pak	RBK	73/113/38
RB20--30 +	4500	100	3000	100	30	36@10ms Vr=0	6500@10ms Vr=0	- 40 to 170	0,79	0,18	77	- 40 to 175	0,011	-	-	-	27 to 40 kN	Press pak (5)	RB2	73/113/36

Up to 6500V

R820--06	6500	100	600	100	06	6,87@10ms Vr=0	236@10ms Vr=0	- 40 to 150	0,78	1,27	38	- 50 to 190	0,035	400	25	30	13,3 to 15,5 kN	Press pak	R82	35/60/26,4
R9G0--14	6500	150	1360	80	14	15,25@10ms Vr=0	1116@10ms Vr=0	- 40 to 150	0,793	0,521	50	- 50 to 200	0,02	1500	25	25	22,7 to 27 kN	Press pak	R9G	47/75/27,4
R9G0--12	5400	150	1200	102	12	14,6@10ms	1066@10ms	- 40 to 150	1,07	0,323	50	- 40 to 190	0,02	1500	25	25	22,7 to 27 kN	Press pak	R9G	47/75/26,7
RA20--20	5400	150	2000	99	20	21,8@10ms	2376@10ms	- 40 to 150	0,96	0,207	67	- 40 to 200	0,013	1500	25	25	41 to 50 kN	Press pak (5)	RA2	63/100/34
RBK8--25	6500	150	2500	85	25	61@10ms Vr=0	18600@10ms Vr=0	- 40 to 150	0,79	0,238	77	- 50 to 200	0,0115	2000	25	25	26,6 to 44,4 kN	Press pak	RBK	73/113/38
RBS8--28	6500	150	2850	85	28	61@10ms Vr=0	18600@10ms Vr=0	- 40 to 150	0,79	0,238	77	- 50 to 200	0,0095	2000	25	25	26,6 to 44,4 kN	Press pak	RBS	73/113/27
RDk8--40 °	6000	300	4000	68	40	55,5@10ms Vr=0	12800@10ms Vr=0	- 40 to 150	1,130	0,117	100	- 50 to 190	0,0075	400	25	25	71,2 to 89 kN	Press pak	RD2	100/144/36