

New Jersey Semi-Conductor Products, Inc.

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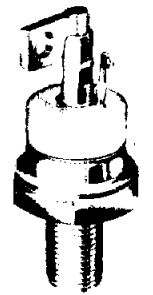
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Thyristors Thyristor Thyristoren Thyristors

	Type	V _{RRM} V _{DRM} V	V _{RSM} V	V _{GT} @ 25°C V	I _{GT} @ 25°C mA	dv/dt V/μs	di/dt A/μs	I _H mA	I _{TSM} A	Maximum Fusing Condition		Out- line
										I _T A	I _T A ² s	
I_T(RMS) = 110A I _T (AV) = 70A T _{case} = 82°C Bulletin 2516	71RC10A†	100	150				100					
	71RC20A	200	300				100					
	71RC30A	300	400				100					
	71RC40A	400	500				100					
	71RC50A	500	600	2.5	70	20	100	90	1100	1860	6000	16
	71RC60A	600	720				100					
	71RC70A	700	840				75					
	71RC80A	800	960				75					
I_T(RMS) = 110A I _T (AV) = 70A T _{case} = 65°C Bulletin 2553	71RB50†	500	600				300					
	71RB60	600	720				300					
	71RB80	800	960				225					
	71RB100	1000	1200				225					
	71RB110	1100	1320				150					
	71RB120	1200	1440	2.5	150	200	150	500	1100	1860	6000	10
	71RB130	1300	1560				150					
	71RB140	1400	1650				150					
	71RB150	1500	1750				100					
	71RB160	1600	1900				100					
I_T(RMS) = 110A I _T (AV) = 70A T _{case} = 84°C Bulletin 2518	71RA50†	500	600				300					
	71RA60	600	720				300					
	71RA70	700	840				225					
	71RA80	800	960				225					
	71RA90	900	1080				225					
	71RA100	1000	1200				225					
	71RA110	1100	1320	2.5	150	200	150	500	1450	2460	10500	10
	71RA120	1200	1440				150					
	71RA130	1300	1560				150					
	71RA140	1400	1650				150					
71RA150	1500	1750				100						
71RA160	1600	1900				100						
I_T(RMS) = 125A I _T (AV) = 80A T _{case} = 70°C Bulletin 2688	81RC10†	100	150									
	81RC20	200	300									
	81RC30	300	400									
	81RC40	400	500									
	81RC50	500	600	2.5	70	200	200	200	1550	2325	12000	16
	81RC60	600	700									
	81RC70	700	800									
	81RC80	800	900									
	81RC90	900	1000									
	81RC100	1000	1100									
Fast turn-off versions available [7]. For Metric Thread versions add M to code e.g. 81 RC 120 M [8].												
I_T(RMS) = 125A I _T (AV) = 125A T _{case} = 80°C Bulletin 2586	81RK80†	800	900									
	81RK90	900	1000									
	81RK100	1000	1100									
	81RK110	1100	1200									
	81RK120	1200	1300	2.5	150	500	800	250	1480	2220	11000	10
	81RK130	1300	1400									
	81RK140	1400	1500									
	81RK150	1500	1600									
	81RK160	1600	1700									
	Fast turn-off versions available [7]. For Metric Thread versions add M to code e.g. 81 RK 120 M [8].											
†To specify Flag terminal types to outline 18 change 81 to 82 on type number [2].												
†To specify Flat base types to outline 12 change 81 to 83 on type number [3].												
I_T(RMS) = 160A I _T (AV) = 100A T _{case} = 80°C Bulletin 2520	101RC10†	100	150									
	101RC20	200	300									
	101RC30	300	400									
	101RC40	400	500									
	101RC50	500	600	2.5	150	20	100	50	1790	3040	16000	9
	101RC60	600	720				100					
	101RC70	700	840				75					
	101RC80	800	960				75					
I_T(RMS) = 160A I _T (AV) = 100A T _{case} = 83°C Bulletin 2521	101RA50†	500	600				300					
	101RA60	600	720				300					
	101RA70	700	840				225					
	101RA80	800	960				225					
	101RA90	900	1080				225					
	101RA100	1000	1200				225					
	101RA110	1100	1320	2.5	250	200	150	500	2280	3950	26000	9
	101RA120	1200	1440				150					
	101RA130	1300	1560				150					
	101RA140	1400	1650				150					
101RA150	1500	1750				100						
101RA160	1600	1900				100						
†To specify flat base types to outline 11 change 101 to 103 on type number [3].												



101RC, 101RA.



37RA,
72RB, 72RA, 82RK

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheet are current before placing orders.

Quality Semi-Conductors

