







Rectifier Product Matrix (continued)

Fast-Recovery Types

RCA Rectifiers	T		V	W				X				
												
	DO-26		DO-15	DO-4				DO-5				
I_O	1A		1A	6A		6A	12A	12A	20A	20A	30A	40A
I_{FSM}	35A		50A	75A		125A	150A	250A	225A	300A	300A	700A
$V_{RRM}(V)$	50	D2601F	D2201F	1N3879			1N3889		1N3899		1N3909	D2540F
	100	D2601A	D2201A	1N3880			1N3890		1N3900		1N3910	D2540A
	200	D2601B	D2201B	1N3881			1N3891		1N3901		1N3911	D2540B
	300			1N3882			1N3892		1N3902		1N3912	
	400	D2601D	D2201D	1N3883		D2406D	1N3893	D2412D	1N3903	D2520D	1N3913	D2540D
	500											
	600	D2601M	D2201M			D2406M		D2412M		D2520M		D2540M
	800	D2601N	D2201N									
1000												
Reverse Recovery Time t_{rr}												
	Typ.	200 ns.	200 ns.	—		200 ns.	—	200 ns.	—	200 ns.	—	200 ns.
	Max.	500 ns.	500 ns.	200 ns.		350 ns.	200 ns.	350 ns.	200 ns.	350 ns.	200 ns.	350 ns.
File No.	723		629	726		663	727	664	728	665	729	580


For Horizontal-Deflection Circuits

RCA Rectifiers	S	V	
			
	DO-1	DO-15	
I_O	—	—	1A
I_{FSM}	70A	30A	50A
Trace	D2103SF		D2201M
Commutating	D2103S		D2201M
Linearity			D2201B
Regulator			D2201B
Clamp		D2101S	
File No.	522	522	629

* I_F (RMS) value

Diac Product Matrix

For Triggering Triacs

RCA Diacs	V	
		
	DO-15	
	D3202Y	D3202U
I_{pk}	2A	2A
$\pm V_{(BO)}$	29 min. 35 max. V	25 min. 40 max. V
$ +V_{(BO)} - - V_{(BO)} $	± 3 max. V	± 3 max. V
$ \Delta V_{\pm} $	9 min. V	9 min. V
File No.	577	577

RECTIFIERS (continued)

FAST-RECOVERY RECTIFIERS with Stud Packages ‡

RCA TYPE	Forward Current				Package (See p. 28)	Voltage V_{RRM} V	Temp. Range Operating °C	Voltage Drop		Rev. Recovery Time		
	RMS I_F (RMS) A	Av. I_o A	Surge I_{FSM} A	Temp.- T_C °C				v_F V	i_F A	t_{rr} μs	I_{FM} A	T_C °C

D24 types

D2406M	9	6	125	100	W	600	-40 to 150	1.4	6	0.35	19	25
1N3879	9	6	75	100	W	50	-65 to 150	1.4	6	0.20	1	25
1N3880	9	6	75	100	W	100	-65 to 150	1.4	6	0.20	1	25
1N3881	9	6	75	100	W	200	-65 to 150	1.4	6	0.20	1	25
1N3882	9	6	75	100	W	300	-65 to 150	1.4	6	0.20	1	25
1N3883	9	6	75	100	W	400	-65 to 150	1.4	6	0.20	1	25

D2412M	18	12	250	100	W	600	-40 to 150	1.4	12	0.35	38	25
1N3889	18	12	150	100	W	50	-65 to 150	1.4	12	0.20	1	25
1N3890	18	12	150	100	W	100	-65 to 150	1.4	12	0.20	1	25
1N3891	18	12	150	100	W	200	-65 to 150	1.4	12	0.20	1	25
1N3892	18	12	150	100	W	300	-65 to 150	1.4	12	0.20	1	25
1N3893	18	12	150	100	W	400	-65 to 150	1.4	12	0.20	1	25

D25 types

D2520M	30	20	300	100	X	600	-40 to 150	1.4	20	0.35	63	25
1N3899	30	20	225	100	X	50	-65 to 150	1.4	20	0.20	1	25
1N3900	30	20	225	100	X	100	-65 to 150	1.4	20	0.20	1	25
1N3901	30	20	225	100	X	200	-65 to 150	1.4	20	0.20	1	25
1N3902	30	20	225	100	X	300	-65 to 150	1.4	20	0.20	1	25
1N3903	30	20	225	100	X	400	-65 to 150	1.4	20	0.20	1	25

1N3909	45	30	300	100	X	50	-65 to 150	1.4	30	0.20	1	25
1N3910	45	30	300	100	X	100	-65 to 150	1.4	30	0.20	1	25
1N3911	45	30	300	100	X	200	-65 to 150	1.4	30	0.20	1	25
1N3912	45	30	300	100	X	300	-65 to 150	1.4	30	0.20	1	25
1N3913	45	30	300	100	X	400	-65 to 150	1.4	30	0.20	1	25

D2540F	60	40	700	165	X	50	-40 to 150	1.8	100	0.35	125	25
D2540A	60	40	700	165	X	100	-40 to 150	1.8	100	0.35	125	25
D2540B	60	40	700	165	X	200	-40 to 150	1.8	100	0.35	125	25
D2540D	60	40	700	165	X	400	-40 to 150	1.8	100	0.35	125	25
D2540M	60	40	700	165	X	600	-40 to 150	1.8	100	0.35	125	25

‡ Reverse-polarity versions available

DIACS—For Triggering Triacs

RCA TYPE	Peak Pulse Current (Forward or Reverse) A	Temp. Range Operating °C	Package (See p. 28)	Breakover Voltage (Forward or Reverse) $V_{(BO)}$ V	Breakover Voltage Symmetry $ +V_{(BO)} - -V_{(BO)} $ V	Dynamic Breakback Voltage $ \Delta V $ V (min.)
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D32 types

D3202Y	2	-40 to 100	V	29 min. 35 max.	± 3 max.	9
D3202U	2	-40 to 100	V	25 min. 40 max.	± 3 max.	9