

RECTIFIERS

39 DE 9097250 0002214 4

9097250 TOSHIBA (DISCRETE/OPTO)

39C 02214 D T-01-01

STANDARD RECTIFIERS

P.10~P.24

→ Peak Reverse Voltage

Average Forward Current →	100V	150V	200V	300V	400V	600V	800V	1000V	1200V	
1A	S5277B 1S1885 1BZ61		S5277D 1S1886 1DZ61		S5277G 1S1887 1GZ61	S5277J 1S1888 1JZ61	S5277L 1S1829 1LZ61	S5277N 1S1830 1NZ61	1QZ61	
1.2A	1S1885A		1S1886A		1S1887A	1S1890	1S1891	1S1892		
1.5A	1R5BZ61		1R5DZ61		1R5GZ61	1R5JZ61				
3A	3BZ61	3CC13 3CD13	3DZ61	3FC13 3FD13	3GZ61 3GC12	3JZ61 3JC12	3LZ61 3LC12	3NZ61 3NC12		
6A		6CC13 6CD13		6FC13 6FD13	6GC12	6JC12	6LC12	6NC12		
12A		12CC12 12CD12		12FC12 12FD12	12GC11	12JC11	12LC11	12NC11		
15A		15CC11 15CD11		15FC11 15FD11						
22A		22CC11 22CD11		22FC11 22FD11						
25A		25CC13 25CD13		25FC13 25FD13	25GC12	25JC12	25LC12	25NC12		
60A	60BC15		60DC15	60FC15	60GC15	60JC15	60LC15	60NC15	60QC15	
100A									100QD21	
150A	150BC15		150DC15	150FC15	150GC15	150JC15	150LC15 150LD11	150NC15 150ND11	150QC15 150QD11	
200A									200QD21	
250A	250BC15		250DC15	250FC15	250GC15	250JC15	250LC15	250NC15		
300A										
350A								300ND11	300QD11	
400A									400QD21	
500A										
800A										
1600A				1600FD26						
3000A	3000BD21									

FAST RECOVERY DIODES

P.25~P.33

→ Peak Reverse Voltage

Average Forward Current →	Reverse Recovery Time	100V	200V	300V	400V	600V	800V	1000V	1200V	1500V	1800V
0.3A	6μs							1NH61		1TH61	
0.5A	1.5μs 2μs 8μs 10μs	TVR1B	S5295D TVR1D 1S2775		S5295G TVR1G 1S2776	S5295J TVR1J 1S2777	TFR1L	TFR1N	TFR1Q	TFR1T	
0.7A	6μs										1S1832
1A	1.5μs 1.5μs 10μs 20μs	1BH62	1DH62		1S1834 1GH62 1S2756	1S1835 1JH62 1S2757				1R5TH61	
1.5A	20μs									1S2711	
3A	1.5μs	3BH61	3DH61		3GH61	3JH61					
6A	200ns	6BG11	6DG11	6FG11	6GG11	6JG11					
12A	200ns 200ns	12BG11 12BH11	12DG11 12DH11	12FG11 12FH11	12GG11 12GH11	12JG11 12JH11					
30A	200ns	30BG11	30DG11	30FG11	30GG11	30JG11					
100A	1μs					100JH21					
200A	1μs					200JH21					
300A	1μs					300JH21					

CONTROLLED AVALANCHE RECTIFIERS

P.34~P.38

→ Peak Reverse Voltage

Average Forward Current →	800V	1000V	1200V	3000V
1A	1LE11	1NE11	1QE11	
3A	3LF11	3NF11	3QF11	
6A	6LF11	6NF11	6QF11	6FXF12
12A	12LF11	12NF11	12QF11	12FXF12
25A	25LF11	25NF11	25QF11	25FXF12
50A	50LF11	50NF11	50QF11	

39 DE 9097250 0002215 6

	1500 V	1600 V	1800 V	2000 V	2500 V	2700 V	3000 V	5000 V	
	1TZ61								1 A
									1.2 A
									1.5 A
									3 A
									6 A
									12 A
									15 A
									22 A
									25 A
									60 A
				100 YD21	100 EXD21				100 A
	150 TD11								150 A
				200 YD21	200 EXD21				200 A
									250 A
					300 EXD11		300 FXD11		300 A
	300 TD11		300 WD11	300 YD11					350 A
				400 YD21	400 EXD21				400 A
								500 HXD25	500 A
		800 UD 25 800 UD 26		800 YD25 800 YD26	800 EXD25 800 EXD26	800 YKD25 800 YKD26	800 FXD25 800 FXD26		500 A
					1600 EXD24		1600 FXD24		1600 A
									3000 A

HIGH VOLTAGE RECTIFIERS P39~P44

→ Peak Reverse Voltage

	6 kV	8 kV	10 kV	12 kV	13 kV	15 kV	16 kV	20 kV	22 kV	26 kV	30 kV	
80 mA			0R06NXZ31					0R06YXZ31				80 mA
0.3 A				0R3QXZ42			0R3UXZ42					0.3 A
0.5 A			S5102A		S5166A							0.5 A
0.6 A	0R6JXZ33A	0R6LXZ33A		0R6QXZ33A			0R6UXZ33A					0.6 A
0.67 A									1N44A1	1N52A1	1N61A1	0.67 A
1 A				S5103			S5104					1 A
2 A						S5105						2 A
3 A								S5106				3 A

SCHOTTKY BARRIER DIODES P45

→ Peak Reverse Voltage

	Reverse Recovery Time	30 V	40 V
15 A	200 ns	15FWJ11	15GWJ11
30 A	200 ns	30FWJ11	30GWJ11

HIGH EFFICIENCY DIODES (HED's) P46, 47

→ Peak Reverse Voltage

	Reverse Recovery Time	100 V	150 V	200 V
15 A	60 ns	15BG15	15CG15	15DG15
30 A	60 ns	30BG15	30CG15	30DG15

FAST RECOVERY DIODES FOR STROBO-FLASHERS

P.27

→ Peak Reverse Voltage

	Reverse Recovery Time	800 V	1000 V	1200 V	1500 V
0.5 A	10 μ s	TFR1L	TFR1N	TFR1Q	TFR1T

FAST RECOVERY DIODES FOR TV's

P.26

→ Peak Reverse Voltage

	Reverse Recovery Time	100 V	200 V	400 V	600 V
0.5 A	2 μ s	TVR1B	TVR1D	TVR1G	TVR1J

HIGH VOLTAGE RECTIFIERS FOR KITCHEN ELECTRONIC RANGES P39

→ Peak Reverse Voltage

	12 kV	16 kV
0.3 A	0R3QXZ42	0R3UXZ42