

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	

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

HIGH VOLTAGE RECTIFIERS P.39~P.44

→ Peak Reverse Voltage

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

SCHOTTKY BARRIER DIODES P.45

→ Peak Reverse Voltage

Average Forward Current ↓	Reverse Recovery Time	30V	40V
15A	200ns	15FWJ11	15GWJ11
30A	200ns	30FWJ11	30GWJ11

HIGH EFFICIENCY DIODES (HED's) P.46, 47

→ Peak Reverse Voltage

Average Forward Current ↓	Reverse Recovery Time	100V	150V	200V
15A	60ns	15BG15	15CG15	15DG15
30A	60ns	30BG15	30CG15	30DG15

FAST RECOVERY DIODES FOR STROBO-FLASHERS P.27

→ Peak Reverse Voltage

Average Forward Current ↓	Reverse Recovery Time	800V	1000V	1200V	1500V
0.5A	10μs	TFR1L	TFR1N	TFR1Q	TFR1T

FAST RECOVERY DIODES FOR TV's P.26

→ Peak Reverse Voltage

Average Forward Current ↓	Reverse Recovery Time	100V	200V	400V	600V
0.5A	2μs	TVR1B	TVR1D	TVR1G	TVR1J

HIGH VOLTAGE RECTIFIERS FOR KITCHEN ELECTRONIC RANGES P.39

→ Peak Reverse Voltage

Average Forward Current ↓	12kV	16kV
0.3A	0R3QXZ42	0R3UXZ42