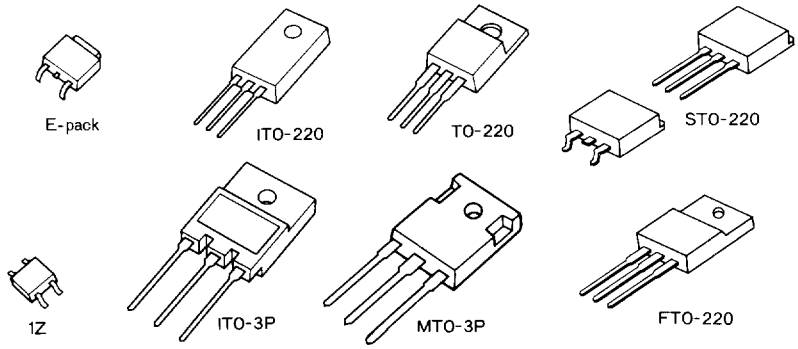
Schottky Barrier Diodes

High frequency rectifying



Twin Diodes

Type No.	Absolute Maximum Ratings						Electrical Characteristics					Remarks	Outline	
	V_{RM} [V]	Io [A]	Conditions T_C [°C]	I_{FSM} [A]	Tstg [°C]	Tj [°C]	V_F (max) [V]	Conditions I_F [A]	I_R (max) $V_R=V_{RM}$ [mA]	Cj (typ) [pF]	θjc (max) [°C/W]		Package	Fig.
S1ZAS4	40	1.2	49※1	40	−40～150	150	0.55	1.0	1	65	25※2	＊4	1Z	26-2
D4SC6M	60	4	138	60	−40～150	150	0.58	2	2	120	3.3	＊1	ITO-220	84-1
D5SC4M	40	5	136	50	−40～150	150	0.55	2.5	2.5	116	3.3	＊1		
4MR												＊2		84-2
DE5SC3ML	30	5	110※1	90	−55～150	150	0.45	2.5	3.5	190	12	＊1	E-pack	79-1
4M	40		101	80	−40～150	150	0.55		3.2	150				
6M	60		92				0.58		2.5	130				
DE5PC3	30	5	90	90	−55～125	125	0.49	2.5	6	—				
★SF5SC3L	30	5			−55～150	150	0.45	2.5	3.5	—	2.0	＊1	FTO-220	86-1
4	40		140	80	−40～150		0.55	2.5	2.5	116	2.3			
D10SC4M	40	10	123	100	−40～150	150	0.55	5	3.5	180	3.3	＊1	ITO-220	84-1
4MR												＊2		84-2
6M	60		120				0.58		4.5	200		＊1		84-1
6MR												＊2		84-2
9M	90		111				0.75		3.0	185		＊1		84-1
D10SD6M	60	10	120	100	−40～150	150	0.58	5	4.5	200	3.3	＊3		84-3
S10SC4M	40	10	125	100	−40～150	150	0.55	5	3.5	180	3	＊1	TO-220	82-1
4MR												＊2		82-2
DE10PC3	30	10	97	80	−55～125	125	0.4	4	10	290	4	＊1	E-pack	79-1
DE10SC3L	30	10	124	100	−55～150	150	0.45	4	5	290	4			
4	40		132	100			0.55	5	3.5	210	4			
DF10SC4M	40	10	125	100	−40～150	150	0.55	5	3.5	180	3	＊1	STO-220	76-1
6	60		132	150	−55～150		0.58		4.5	260	2.0			
9	90		131				0.75		3	185	1.2			
SF10SC3L	30	10	139	150	−55～150	150	0.45	5	5	310	2.3	＊1	FTO-220	86-1
4	40		131		−40～150		0.55		3.5	180				
4R			131									＊2		86-2
6	60		129				0.58		4.5	260		＊1		86-1
9	90		120				0.75		3.0	185				
S15SC4M	40	15	135	170	−40～150	150	0.55	7.5	5	340	1.2	＊1	MTO-3P	88-1
D15SCA4M	40	15	117	150	−40～150	150	0.55	7.5	5	340	2.8	＊1	ITO-220	84-1
S15SCA4M	40	15	129	150	−40～150	150	0.55	7.5	5	340	1.7	＊1	TO-220	82-1
DF15SC4M	40	15	129	150	−40～150	150	0.55	7.5	5	340	1.7	＊1	STO-220	76-1
D20SC9M	90	20	111	200	−40～150	150	0.75	10	10	370	1	＊1	ITO-3P	90-1
S20SC4M	40	20	129	170	−40～150	150	0.55	7.5	5	340	1.2	＊1	MTO-3P	88-1
9M	90		125	200			0.75	10	10	370	1			
DF20SC4M	40	20	122	230	−40～150	150	0.55	10	7.5	390	1.7	＊1	STO-220	76-1
DF20PC3M	30	20	105※1	200	−55～125	125	0.4	8	35	560	1.6			
DF20SC9M	90	20	111	200	−40～150	150	0.75	10	10	370	1.6	＊1	STO-220	76-1
SF20SC3L	30	20	125	230	−55～150	150	0.45	8	9	570	2.0	＊1	FTO-220	86-1
4	40		117				0.55	10	7.5	390				
D25SC6M	60	25	117	300	−40～150	150	0.58	12.5	10	490	1.5	＊1	ITO-3P	90-1
6MR												＊2		90-2
S25SC6M	60	25	128	300	−40～150	150	0.58	12.5	10	490	1	＊1	MTO-3P	88-1
DF25SC6M	60	25	115	300	−40～150	150	0.58	12.5	10	490	1.6	＊1	STO-220	76-1
D30SC4M	40	30	112	300	−40～150	150	0.55	15	10	590	1.6	＊1	ITO-3P	90-1
S30SC4M	40	30	126	300	−40～150	150	0.55	15	10	590	1	＊1	MTO-3P	88-1

☆ : New products
★ : Under development
＊1 : Center-tap
＊2 : Center-tap (R)
＊3 : Doubler type
＊4 :
※1 : Ta
※2 : θjl

Type No.	Absolute Maximum Ratings						Electrical Characteristics					Remarks	Outline	
	V_{RM} [V]	Io [A]	Conditions Tc [℃]	I_{FSM} [A]	Tstg [℃]	Tj [℃]	V_F (max) [V]	Conditions I_F [A]	I_R (max) $V_R=V_{RM}$ [mA]	Cj (typ) [pF]	θjc (max) [℃/W]		Package	Fig.
DF30SC3ML	30	30	119	350	−55～150	150	0.45	12.5	10	820	1.6	＊1	STO-220	76-1
4M	40		112	360	−40～150		0.55	15		590				
DF30PC3M	30	30	97	300	−55～125	125	0.4	10	50	—	1.6			
SF30SC3L	30	30	111	350	−55～150	150	0.45	12.5	15	960	2	＊1	FTO-220	86-1
4	40		102	300			0.55	15	10	590				
6	60		107	250			0.63			500	1.6			
DF40SC3L	30	40	112	400	−55～150	150	0.45	15	17	1200	1.5	＊1	STO-220	78-1
4	40		106	350			0.55	20	14	860				
☆DF40PC3	30	40	105	350	−55～150	125	0.4	15	45	1160	0.8	＊1	STO-220	76-1
S60SC3ML	30	60	130	500	−40～150	150	0.48	30	25	1600	0.5	＊1	MTO-3P	88-1
4M	40		126				0.55			1000				
6M	60		118				0.67		20	850				

＊: Ta　＊1: Center-tap 　＊2: Center-tap (R) 　＊3: Doubler type 　＊4:

☆: New products

Diode Modules

Type No.	Absolute Maximum Ratings						Electrical Characteristics					Remarks	Outline	
	V_{RM} [V]	Io [A]	Conditions Tc [℃]	I_{FSM} [A]	Tstg [℃]	Tj [℃]	V_F (max) [V]	Conditions I_F [A]	I_R (max) $V_R=V_{RM}$ [mA]	Cj (typ) [pF]	θjc (max) [℃/W]		Package	Fig.
D120SC3M	30	120	99	800	−40～125	125	0.5	60	80	2.9	0.34	—	Modules	48
4M	40		90				0.58		40	2.1				
6M	60		85				0.67			2.2				
7M	70		84						80					
D180SC3M	30	180	94	800	−40～125	125	0.5	60	80	2.9	0.25	—	Modules	50
4M	40		83				0.58		40	2.1				
6M	60		78				0.67			2.2				
7M	70		77						80					
D240SC3M	30	240	90	1600	−40～125	125	0.44	60	160	5.8	0.23	—	Modules	48
3MH	30											Note 1		
4M	40		77				0.5		80	4.2		—		
4MH	40											Note 1		
6M	60		71				0.67	120		4.4		—		
6MH	60											Note 1		
7M	70		70						160			—		
D360SC3M	30	360	81	1600	−40～125	125	0.44	60	160	5.8	0.18	—	Modules	50
4M	40		64				0.5		80	4.2				
5M	50		63				0.6	120	160					
6M	60		58				0.67		80	4.4				
7M	70		57						160					

Note 1 : This modulex is open, when it's damaged.