

## Schottky Barrier Diodes (Single)



Type No.	Absolute Maximum Ratings						Electrical Characteristics						Remarks	Outline	
	V <sub>RM</sub> [V]	I <sub>o</sub> [A]	Conditions T <sub>a</sub> [°C]	I <sub>FSM</sub> [A]	T <sub>stg</sub> [°C]	T <sub>j</sub> [°C]	V <sub>F</sub> (max) [V]	Conditions I <sub>F</sub> [A]	I <sub>R</sub> (max) V <sub>R</sub> =V <sub>RM</sub> [mA]	θ <sub>JL</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	θ <sub>JC</sub> (max) [°C/W]		Package	Fig.
D1FS4	40	1.1	51	30	-55~150	150	0.55	1.1	1	23	108	—	—	IF	72
6	60		25	40			0.58								
D2FS4	40	1.6	34	60	-55~150	150	0.55	1.6	2.5	24	90	—	—	2F	73
6	60	1.5	31				0.58	1.5	2						
DE3S4M	40	3	121*	70	-40~150	150	0.55	3	2.5	—	55	12	Lead type is available.	E-pack	77-2 (lead type) 78-2
6M	60		117*	80			0.58		2.5						
DE5S4M	40	5	101*	80	-40~150	150	0.55	5	3.5	—	55	12	—	—	—
6M	60		96*	90			0.58		4.5						
★M1FS4	40	1.33	25	30	-55~150	150	0.55	1.1	0.8	20	108	—	—	MIF	71
★M1FS6	60	1.2		40			0.58		1.0						

☆: New products      \*: T<sub>c</sub>

## Schottky Barrier Diodes (Twin)



Type No.	Absolute Maximum Ratings						Electrical Characteristics						Remarks	Outline	
	V <sub>RM</sub> [V]	I <sub>o</sub> [A]	Conditions T <sub>a</sub> [°C]	I <sub>FSM</sub> [A]	T <sub>stg</sub> [°C]	T <sub>j</sub> [°C]	V <sub>F</sub> (max) [V]	Conditions I <sub>F</sub> [A]	I <sub>R</sub> (max) V <sub>R</sub> =V <sub>RM</sub> [mA]	θ <sub>JL</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	θ <sub>JC</sub> (max) [°C/W]		Package	Fig.
S1ZAS4	40	1.2	49	40	-40~150	150	0.55	1.0	1	25	93	—	Array Type	1Z	25-2
DE5SC4M	40	5	101*1	80	-40~150	150	0.55	2.5	3.5	—	55	12	Lead type is available.	E-pack	77-1 (lead type) 78-1
6M	60		92*1				2.5		2.5						
DE10SC4	40	10	132*1	100	-55~150	150	0.55	5	3.5	—	—	4	Lead type is available.	STO-220	74-1 (lead type) 76-1
DF10SC4M	40	10	125*1	100	-40~150	150	0.55	5	3.5	—	25	3			
6	60	10	132	150	-55~150	150	0.58	5	4.5	—	—	2.0	Lead type is available.	STO-220	74-1 (lead type) 76-1
9	90						0.75		3			1.2			
DF15SC4M	40	15	129*1	150	-40~150	150	0.55	7.5	5	—	—	1.7	Lead type is available.	STO-220	74-1 (lead type) 76-1
DF20SC4M	40	20	122*1	230	-40~150	150	0.55	10	7.5	—	—	1.7			
DF25SC6M	60	25	115*1	300	-40~150	150	0.58	12.5	10	—	—	1.6	Lead type is available.	STO-220	74-1 (lead type) 76-1
DF30SC4M	40	30	112*1	360	-40~150	150	0.55	15	10	—	—	1.6			

\*1: T<sub>c</sub>

## Schottky Barrier Diodes (Low V<sub>F</sub> series)



Type No.	Absolute Maximum Ratings						Electrical Characteristics						Remarks	Outline	
	V <sub>RM</sub> [V]	I <sub>o</sub> [A]	Conditions T <sub>a</sub> [°C]	I <sub>FSM</sub> [A]	T <sub>stg</sub> [°C]	T <sub>j</sub> [°C]	V <sub>F</sub> (max) [V]	Conditions I <sub>F</sub> [A]	I <sub>R</sub> (max) V <sub>R</sub> =V <sub>RM</sub> [mA]	θ <sub>JL</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	θ <sub>JC</sub> (max) [°C/W]		Package	Fig.
★M1FP3	30	1.29	25	30	-55~125	125	0.35	0.4	2.5	20	108	—	—	MIF	71
★D1FP3	30	2	98*1	60	-55~125	125	0.35	0.8	4.5	23	108	—	Lead type is available.	IF	72
D1FS4A	40	1.5	28	60	-55~150	150	0.45	1.1	2	23	108	—			
D3FS4A	40	2.6	34	150	-55~150	150	0.45	2.6	5	23	80	—	Lead type is available.	2F	73
★D3FP3	30	3	74*1	150	-55~125	125	0.35	1.6	10	24	90	—			
DE5SC3ML	30	5	110*2	90	-55~150	150	0.45	2.5	3.5	—	—	12	Lead type is available.	E-pack	77-1 (lead type) 78-1
DE5PC3	30	5	90*2	90	-55~125	125	0.4	2	6	—	—	12			
DE10P3	30	10	95*2	200	-55~125	125	0.4	8	25	—	—	4	Lead type is available.	E-pack	77-2 (lead type) 78-2
DE10S3L	30	10	124*2	250	-55~150	150	0.45	8	10	—	—	4			
★DE10PC3	30	10	97*2	80	-55~125	125	0.4	4	10	—	—	4	Lead type is available.	E-pack	77-1 (lead type) 78-1
★DE10SC3L	30	10	124*2	100	-55~150	150	0.45	4	5	—	—	4			
★DF20PC3M	30	20	105*2	200	-55~125	125	0.4	8	35	—	—	1.6	Lead type is available.	STO-220	74-1 (lead type) 76-1
★DF30SC3ML	30	30	119*2	350	-55~150	150	0.45	12.5	10	—	—	1.6			
★DF30PC3M	30	30	97*2	300	-55~125	125	0.4	10	50	—	—	1.6	Lead type is available.	STO-220	74-1 (lead type) 76-1

☆: New products      \*1: T<sub>j</sub>      \*2: T<sub>c</sub>