

# Surface-Mount Devices

## Rectifier Diodes (Single)

Parts No.	Absolute Maximum Ratings						Electrical Characteristics						Outline	
	VRM [V]	Io [A]	Conditions Ta [°C]	IFSM [A]	Tstg [°C]	Tj [°C]	Vf (max) [V]	Conditions IF [A]	IR (max) VR=VRM [μA]	t <sub>rr</sub> (max) [ns]	θ <sub>J</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	Package	Fig.
D1F20	200	1	25	25	-55~150	150	1.1	1	10	—	23	108	1F	64
60	600			60			1.05				1.4	24	90	2F
D2F20	200	1.4	25	60	-55~150	150	1.05	1.4	10	—	24	90	2F	65
60	600			60			1.05				1.4	24	90	2F

## Rectifier Diodes (Twin)

Parts No.	Absolute Maximum Ratings						Electrical Characteristics						Outline	
	VRM [V]	Io [A]	Conditions Ta [°C]	IFSM [A]	Tstg [°C]	Tj [°C]	Vf (max) [V]	Conditions IF [A]	IR (max) VR=VRM [μA]	t <sub>rr</sub> (max) [ns]	θ <sub>J</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	Package	Fig.
S1ZA20	200	1.1	25	30	-40~150	150	1.1	0.9	10	—	—	120	—	63-2
60	600			30			1.1					0.9	10	—

## Rectifier Diodes (Doubler)

Parts No.	Absolute Maximum Ratings						Electrical Characteristics						Outline	
	VRM [V]	Io [A]	Conditions Ta [°C]	IFSM [A]	Tstg [°C]	Tj [°C]	Vf (max) [V]	Conditions IF [A]	IR (max) VR=VRM [μA]	t <sub>rr</sub> (max) [ns]	θ <sub>J</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	Package	Fig.
★ DF5VD60	600	5	25	170	-55~150	150	1.05	0.4	10	—	—	2.5	STO-220	67
★ DF15VD60		15		200										

★: Under Development

## Rectifier Diodes (Bridge)

Parts No.	Absolute Maximum Ratings						Electrical Characteristics						Outline	
	VRM [V]	Io [A]	Conditions Ta [°C]	IFSM [A]	Tstg [°C]	Tj [°C]	Vf (max) [V]	Conditions IF [A]	IR (max) VR=VRM [μA]	t <sub>rr</sub> (max) [ns]	θ <sub>J</sub> (max) [°C/W]	θ <sub>JA</sub> (max) [°C/W]	Package	Fig.
S1ZB20	200	0.8	25	30	-40~150	150	1.05	0.4	10	—	20	76	—	63-1
60	600						1.05							
S1WB(A)20	200	1.0	25	30	-40~150	150	1	0.5	10	1000	10	65	—	66
60	600													
80Z	800													
60B	600													