

HIGH POWER SCHOTTKY RECTIFIERS LEADED DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @ V_{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C	
	V_{RRM}	$I_{O@Tc}$		I_{FSM}	$I_R@T_j$		V_F	I_F
		A	°C		A	@25°C mA		
V_{PK}			A	mA	mA	V	A	



100AMP / SCHOTTKY RECTIFIER / TO-249AB(POWER MOD)

SEE THE PACKAGE ON PAGE 39

FST10020	20	100	100	1000	1	20	0.70	50
FST10030	30	100	100	1000	1	20	0.75	50
FST10035	35	100	100	1000	1	20	0.75	50
FST10040	40	100	100	1000	1	20	0.75	50
FST10045	45	100	100	1000	1	20	0.75	50
FST10060	60	100	100	1000	1	20	0.80	50
FST10080	80	100	100	1000	1	20	0.88	50
FST100100	100	100	100	1000	1	20	0.88	50

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C



120AMP / SCHOTTKY RECTIFIER / TO-249AB(POWER MOD)

SEE THE PACKAGE ON PAGE 39

FST12020	20	120	135	1200	1	20	0.70	60
FST12030	30	120	135	1200	1	20	0.75	60
FST12035	35	120	135	1200	1	20	0.75	60
FST12040	40	120	135	1200	1	20	0.75	60
FST12045	45	120	135	1200	1	20	0.75	60
FST12060	60	120	135	1200	1	20	0.80	60
FST12080	80	120	135	1200	1	20	0.88	60
FST120100	100	120	135	1200	1	20	0.88	60

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C



160AMP / SCHOTTKY RECTIFIER / TO-249AB(POWER MOD)

SEE THE PACKAGE ON PAGE 39

FST16020	20	160	115	1200	1	20	0.70	80
FST16030	30	160	115	1200	1	20	0.75	80
FST16035	35	160	115	1200	1	20	0.75	80
FST16040	40	160	115	1200	1	20	0.75	80
FST16045	45	160	115	1200	1	20	0.75	80
FST16060	60	160	115	1200	1	20	0.80	80
FST16080	80	160	115	1200	1	20	0.88	80
FST160100	100	160	115	1200	1	20	0.88	80

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C



200AMP / SCHOTTKY RECTIFIER / TO-249AB(POWER MOD)

SEE THE PACKAGE ON PAGE 39

FST20020	20	200	126	1500	1	20	0.70	100
FST20030	30	200	126	1500	1	20	0.75	100
FST20035	35	200	126	1500	1	20	0.75	100
FST20040	40	200	126	1500	1	20	0.75	100
FST20045	45	200	126	1500	1	20	0.75	100
FST20060	60	200	126	1500	1	20	0.80	100
FST20080	80	200	126	1500	1	20	0.88	100
FST200100	100	200	126	1500	1	20	0.88	100

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C