

SCHOTTKY BARRIER RECTIFIERS



OPERATING/STORAGE TEMPERATURE RANGE -65°C to +150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV		Maximum Forward Voltage @ 25° C T _A	
	PRV	I _o @ T _C		I _{FM} (Surge)	I _R @ T _C		I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	mAdc	°C	A _{PK}	V _{PK}

20/30/40 AMPERE SCHOTTKY/TO-3P

SBL2030PT	30	20	110	250	1.0	25	10	0.60
SBL2035PT	35	20	110	250	1.0	25	10	0.60
SBL2040PT	40	20	110	250	1.0	25	10	0.60
SBL2045PT	45	20	110	250	1.0	25	10	0.60
SBL2050PT	50	20	110	250	1.0	25	10	0.75
SBL2060PT	60	20	110	250	1.0	25	10	0.75
SBL3030PT	30	30	105	275	1.0	25	15	0.55
SBL3035PT	35	30	105	275	1.0	25	15	0.55
SBL3040PT	40	30	105	275	1.0	25	15	0.55
SBL3045PT	45	30	105	275	1.0	25	15	0.55
SBL3050PT	50	30	105	275	1.0	25	15	0.70
SBL3060PT	60	30	105	275	1.0	25	15	0.70
MBR4030PT	30	40	125	400	10	25	20	0.70
MBR4035PT	35	40	125	400	10	25	20	0.70
MBR4040PT	40	40	125	400	10	25	20	0.70
MBR4045PT	45	40	125	400	10	25	20	0.70

NOTE: Center Tap, Common Cathode.

SUPER FAST RECTIFIERS

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +175°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25° C T _A		Maximum Reverse Recovery Time
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	A _{AV}	°C	A _{PK}	μAdc	A _{PK}	V _{PK}	nS

1.0 AMPERE SUPER FAST/DO-41

SF11	50	1.0	55	30	5.0	1.0	.975	35
SF12	100	1.0	55	30	5.0	1.0	.975	35
SF13	150	1.0	55	30	5.0	1.0	.975	35
SF14	200	1.0	55	30	5.0	1.0	.975	35

2.0 AMPERE SUPER FAST/DO-15

SF21	50	2.0	55	50	5.0	2.0	.975	35
SF22	100	2.0	55	50	5.0	2.0	.975	35
SF23	150	2.0	55	50	5.0	2.0	.975	35
SF24	200	2.0	55	50	5.0	2.0	.975	35

3.0 AMPERE SUPER FAST/DO-201AD

SF31	50	3.0	55	110	10	3.0	.975	35
SF32	100	3.0	55	110	10	3.0	.975	35
SF33	150	3.0	55	110	10	3.0	.975	35
SF34	200	3.0	55	110	10	3.0	.975	35