

# SUPER FAST RECTIFIERS

PLASTIC MATERIAL USED CARRIES UL 94V-0  
OPERATING AND 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 @ $P_{RV}$ @ 25°C $T_A$	Maximum Forward Voltage @ 25°C $T_A$		Maximum Reverse Recovery Time
	$P_{RV}$	$I_O @ T_A$		$I_{FM}$ ( Surge )	$I_R$	$I_{FM}$	$V_{FM}$	$T_{RR}$
	$V_{PK}$	$A_{AV}$	°C	$A_{PK}$	$\mu A_{dc}$	$A_{PK}$	$V_{PK}$	nS

## 1.0 AMPERE-SUPER FAST/DO-41 (CASE 7)



SF11	50	1.0	55	30	5.0	1.0	0.95	35
SF12	100	1.0	55	30	5.0	1.0	0.95	35
SF13	150	1.0	55	30	5.0	1.0	0.95	35
SF14	200	1.0	55	30	5.0	1.0	0.95	35
SF15	300	1.0	55	30	5.0	1.0	1.25	35
SF16	400	1.0	55	30	5.0	1.0	1.25	35

## 2.0 AMPERE-SUPER FAST /DO-15 (CASE 8)



SF21	50	2.0	55	75	5.0	2.0	0.95	35
SF22	100	2.0	55	75	5.0	2.0	0.95	35
SF23	150	2.0	55	75	5.0	2.0	0.95	35
SF24	200	2.0	55	75	5.0	2.0	0.95	35
SF25	300	2.0	55	75	5.0	2.0	1.25	35
SF26	400	2.0	55	75	5.0	2.0	1.25	35

## 3.0 AMPERE-SUPER FAST /DO-201AD (CASE 11)



SF31	50	3.0	55	125	5.0	3.0	0.95	35
SF32	100	3.0	55	125	5.0	3.0	0.95	35
SF33	150	3.0	55	125	5.0	3.0	0.95	35
SF34	200	3.0	55	125	5.0	3.0	0.95	35
SF35	300	3.0	55	125	5.0	3.0	1.25	35
SF36	400	3.0	55	125	5.0	3.0	1.25	35

## 5.0 AMPERE-SUPER FAST/DO-201AD (CASE 11)



SF51	50	5.0	55	150	5.0	5.0	0.95	35
SF52	100	5.0	55	150	5.0	5.0	0.95	35
SF53	150	5.0	55	150	5.0	5.0	0.95	35
SF54	200	5.0	55	150	5.0	5.0	0.95	35
SF55	300	5.0	55	150	5.0	5.0	1.25	35
SF56	400	5.0	55	150	5.0	5.0	1.25	35

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	$P_{RV}$	$I_o @ T_c$		$I_{FM}$ ( Surge )	$I_R$	$I_{FM}$	$V_{FM}$	$T_{RR}$
	$V_{PK}$	$A_{AV}$	°C	$A_{PK}$	$\mu A_{dc}$	$A_{PK}$	$V_{PK}$	nS



## 8.0 AMPERE-SUPER FAST/TO-220A (CASE 13)

SF81	50	8.0	100	125	10	8.0	1.0	35
SF82	100	8.0	100	125	10	8.0	1.0	35
SF83	150	8.0	100	125	10	8.0	1.0	35
SF84	200	8.0	100	125	10	8.0	1.0	35
SF85	300	8.0	100	125	10	8.0	1.35	50
SF86	400	8.0	100	125	10	8.0	1.35	50

NOTE : Suffix " R " = for REVERSE Polarity.



## 16 AMPERE-SUPER FAST /TO-220 (CASE 14)

SF161C	50	16	125	150	10	8.0	1.0	35
SF162C	100	16	125	150	10	8.0	1.0	35
SF163C	150	16	125	150	10	8.0	1.0	35
SF164C	200	16	125	150	10	8.0	1.0	35
SF165C	300	16	125	150	10	8.0	1.35	50
SF166C	400	16	125	150	10	8.0	1.35	50

NOTE : Suffix " A " = Common Anode.



## 30 AMPERE-SUPER FAST /TO-247 (CASE 15)

SF301C	50	30	100	300	10	15.0	1.0	35
SF302C	100	30	100	300	10	15.0	1.0	35
SF303C	150	30	100	300	10	15.0	1.0	35
SF304C	200	30	100	300	10	15.0	1.0	35
SF305C	300	30	100	300	10	15.0	1.0	50
SF306C	400	30	100	300	10	15.0	1.0	50

NOTE : Suffix " A " = Common Anode.



## 1.0 AMPERE-SUPER FAST/DB-1 (CASE 17)

EDB101	50	1.0	55	30	5.0	1.0	1.0	50
EDB102	100	1.0	55	30	5.0	1.0	1.0	50
EDB103	150	1.0	55	30	5.0	1.0	1.0	50
EDB104	200	1.0	55	30	5.0	1.0	1.0	50
EDB105	300	1.0	55	30	5.0	1.0	1.0	50
EDB106	400	1.0	55	30	5.0	1.0	1.0	50