

# Super Fast Rectifiers

Type Number	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 <sub>A</sub>	Maximum Forward Voltage @ 25°C T <sub>A</sub>		Maximum Reverse Recovery Time
	PRV	I <sub>O</sub> @ T <sub>A</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	T <sub>rr</sub>
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	μA <sub>dc</sub>	A <sub>PK</sub>	V <sub>PK</sub>	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

## 6.0 Ampere Super Fast/DO-201AD

SF61	50	6.0	55	150	10	6.0	1.0	35
SF62	100	6.0	55	150	10	6.0	1.0	35
SF63	150	6.0	55	150	10	6.0	1.0	35
SF64	200	6.0	55	150	10	6.0	1.0	35

## 8.0 Ampere Super Fast/TO-220A

SF81	50	8.0	*125	125	10	8.0	.975	35
SF82	100	8.0	*125	125	10	8.0	.975	35
SF83	150	8.0	*125	125	10	8.0	.975	35
SF84	200	8.0	*125	125	10	8.0	.975	35

Suffix "R" for Reverse Polarity \* T<sub>C</sub> (Case Temperature)

## 16 Ampere Super Fast/TO-220

SF161	50	16	*125	125	10	8.0	.975	35
SF162	100	16	*125	125	10	8.0	.975	35
SF163	150	16	*125	125	10	8.0	.975	35
SF164	200	16	*125	125	10	8.0	.975	35

Standard Type = Common Cathode, Common Anode = Suffix 'A', Doubler Connection = Suffix "D" \* T<sub>C</sub> (Case Temperature)

## 30 Ampere Super Fast/TO-3P

SF301	50	30	*125	300	15	15	.975	35
SF302	100	30	*125	300	15	15	.975	35
SF303	150	30	*125	300	15	15	.975	35
SF304	200	30	*125	300	15	15	.975	35

Standard Type = Common Cathode, Common Anode = Suffix 'A', Doubler Connection = Suffix "D" \* T<sub>C</sub> (Case Temperature)

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