



# 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 <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

## 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

NOTE: 1. Suffix "R" for Reverse Polarity. 2. "\*" 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

NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D". 2. "\*" 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

NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D". 2. "\*" T<sub>C</sub> (Case Temperature).

# HIGH EFFICIENCY 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 @ 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 HIGH EFFICIENCY/DO-41

HER101	50	1.0	50	30	5.0	1.0	1.1	50
HER102	100	1.0	50	30	5.0	1.0	1.1	50
HER103	200	1.0	50	30	5.0	1.0	1.1	50
HER104	300	1.0	50	30	5.0	1.0	1.1	50
HER105	400	1.0	50	30	5.0	1.0	1.1	50
HER106	600	1.0	50	30	5.0	1.0	1.75	100