

SUPER FAST RECTIFIERS

T-03-19

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 TA	Maximum Forward Voltage @ 25° C TA		Maximum Reverse Recovery Time
	PRV	I _o @ T _C		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	AAV	°C	A _{PK}	μA _{dc}	A _{PK}	V _{PK}	nS

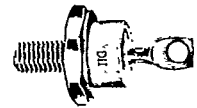
16 AMPERE SUPER FAST/TO-220A



SF2001	50	16	125	250	10	16	0.975	35
SF2002	100	16	125	250	10	16	0.975	35
SF2003	150	16	125	250	10	16	0.975	35
SF2004	200	16	125	250	10	16	0.975	35

NOTE: Suffix "R" for Reverse Polarity.

20/25 AMPERE SUPER FAST /DO-4



1N5812	50	20	100	250	15	10	0.9	35
1N5814	100	20	100	250	15	10	0.9	35
1N5816	150	20	100	250	15	10	0.9	35
SF4251	50	25	125	400	20	25	.975	35
SF4252	100	25	125	400	20	25	.975	35
SF4253	150	25	125	400	20	25	.975	35
SF4254	200	25	125	400	20	25	.975	35

NOTE: Suffix "R" for Reverse Polarity.

30 AMPERE SUPER FAST/TO-3P



SF301	50	30	125	300	15	15	0.975	35
SF302	100	30	125	300	15	15	0.975	35
SF303	150	30	125	300	15	15	0.975	35
SF304	200	30	125	300	15	15	0.975	35

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

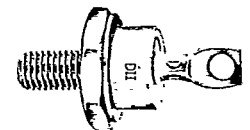
30 AMPERE SUPER FAST/TO-3



SFC3301	50	30	115	400	20	15	0.93	35
SFC3302	100	30	115	400	20	15	0.93	35
SFC3303	150	30	115	400	20	15	0.93	35
SFC3304	200	30	115	400	20	15	0.93	35

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

50/70 AMPERE SUPER FAST/DO-5



SF5501	50	50	115	600	25	50	0.975	50
SF5502	100	50	115	600	25	50	0.975	50
SF5503	150	50	115	600	25	50	0.975	50
SF5504	200	50	115	600	25	50	0.975	50
SF5301/IN6304	50	70	115	800	10	70	0.975	50
SF5302/IN6305	100	70	115	800	10	70	0.975	50
SF5303/IN6306	150	70	115	800	10	70	0.975	50
SF5304	200	70	115	800	10	70	0.975	50

NOTE: Suffix "R" for Reverse Polarity.