

SUPER FAST RECTIFIERS

OPERATING AND STORAGE TEMPERATURE -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 _C		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	A _{AV}	°C	A _{PK}	μA _{dc}	A _{PK}	V _{PK}	nS

16 AMPERES SUPER FAST/TO-220



SF161	50	16	100	125	10	8.0	1.0	35
SF162	100	16	100	125	10	8.0	1.0	35
SF163	150	16	100	125	10	8.0	1.0	35
SF164	200	16	100	125	10	8.0	1.0	35
SF2401	50	16	125	125	5.0	8.0	0.975	35
SF2402	100	16	125	125	5.0	8.0	0.975	35
SF2403	150	16	125	125	5.0	8.0	0.975	35
SF2404	200	16	125	125	5.0	8.0	0.975	35

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

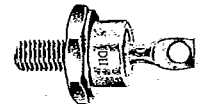
16 AMPERES SUPER FAST/TO-220A



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

NOTE: Suffix "R" for Reverse Polarity.

20 AMPERES SUPER FAST RECTIFIERS/DO-4

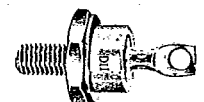


1N5812	50	20	100	250	25	*10mA	10	0.9	*35
1N5814	100	20	100	250	25	*10mA	10	0.9	*35
1N5816	150	20	100	250	25	*10mA	10	0.9	*35

NOTE: 1. "TA" = 150°C

2. T_{RR}: I_F = I_R = 1.0A, I_{REC} = 0.1A, $\frac{di}{dt} = 85A/\mu s$.

25 AMPERES SUPER FAST/DO-4



SF4251	50	25	125	400	20	25	0.95	35
SF4252	100	25	125	400	20	25	0.95	35
SF4253	150	25	125	400	20	25	0.95	35
SF4254	200	25	125	400	20	25	0.95	35

NOTE: Suffix "R" for Reverse Polarity.