

Ultra Fast Rectifiers

Microsemi
POWER ELECTRONICS DIVISION

UFR

Part Number	Microsemi Division	Package Outline	Type	MIL Spec	Data Sheet ID	IO (Amps)	VR (Volts)	IFSM (Amps)	VF @ IO (Volts)	IR (uA)	trr (nsec)
1N5805	Watertown	A	STD		3891	2.5	125	35	0.875	1	25
1N5806	Watertown	A	STD		3892	2.5	150	35	0.875	1	25
1N5806US	Watertown	A SQ. MELF	SM		3893	2.5	150	35	0.875	1	25
JAN1N5806	Watertown	A	STD	477	7720	2.5	150	35	0.875	1	25
JAN1N5806US	Watertown	A SQ. MELF	SM	477	7721	2.5	150	35	0.875	1	25
JANS1N5806	Santa Ana	A	STD	477	8602	2.5	150	35	1	1	25
JANS1N5806US	Santa Ana	A SQ. MELF	SM	477	8603	2.5	150	35	1	1	25
JANTX1N5806	Watertown	A	STD	477	9477	2.5	150	35	0.875	1	25
JANTX1N5806US	Watertown	A SQ. MELF	SM	477	9478	2.5	150	35	0.875	1	25
JANTXV1N5806	Watertown	A	STD	477	10948	2.5	150	35	0.875	1	25
JANTXV1N5806US	Watertown	A SQ. MELF	SM	477	10949	2.5	150	35	0.875	1	25
UES1103	Watertown	A	STD		16637	2.5	150	35		2	25
UES1103SM	Watertown	A SQ. MELF	SM		16638	2.5	150	35		2	25
UPR15	Watertown	POWERMITE	SM		20777	2.5	150	25	0.975	2	25
1N6631	Santa Ana	E	STD		5001	2.5	1000	60	2	4	60
1N6631U	Santa Ana	E SQ. MELF	SM		5002	2.5	1000	60	2	4	60
1N6631US	Santa Ana	E SQ. MELF	SM		5003	2.5	1000	60	2	4	60
JANTX1N6631	Santa Ana	E	STD	590	9958	2.5	1000	60	2	4	60
JANTX1N6631U	Santa Ana	E SQ. MELF	SM	590	9959	2.5	1000	60	2	4	60
JANTXV1N6631	Santa Ana	E	STD	590	11429	2.5	1000	60	2	4	60
JANTXV1N6631U	Santa Ana	E SQ. MELF	SM	590	11430	2.5	1000	60	2	4	60
1N6073	Santa Ana	A	STD		4383	3	50	35	2.04	1	30
UF305	Colorado	DO-201AD	STD		16749	3	50	100	0.95	10	30
UFS305G	Colorado	DO-215AA	SM		20209	3	50	100	0.95	10	30
UFS305J	Colorado	DO-214BA	SM		20143	3	50	100	0.95	10	30
ER3A	Chatsworth	DO-214AB	SM		18010	3	50	100	0.975	5	35
SF31	Chatsworth	DO-201AD	STD		14791	3	50	125	0.9	5	35
UF5400	Chatsworth	DO-201AD	STD		18254	3	50	200	0.95	10	50
UF5400GP	Chatsworth	DO-201AD	STD		18261	3	50	200	0.95	10	50
1N6074	Santa Ana	A	STD		4384	3	100	35	2.04	1	30
JAN1N6074	Santa Ana	A	STD	503	7783	3	100	35	2.04	1	30
JANTX1N6074	Santa Ana	A	STD	503	9540	3	100	35	2.04	1	30
JANTXV1N6074	Santa Ana	A	STD	503	11011	3	100	35	2.04	1	30
UF310	Colorado	DO-201AD	STD		16750	3	100	100	0.95	10	30
UFS310G	Colorado	DO-215AA	SM		20210	3	100	100	0.95	10	30
UFS310J	Colorado	DO-214BA	SM		20144	3	100	100	0.95	10	30
ER3B	Chatsworth	DO-214AB	SM		18011	3	100	30	0.975	5	35
SF32	Chatsworth	DO-201AD	STD		14792	3	100	125	0.9	5	35
UF5401	Chatsworth	DO-201AD	STD		18255	3	100	200	0.95	10	50
UF5401GP	Chatsworth	DO-201AD	STD		18262	3	100	200	0.95	10	50
1N6075	Santa Ana	A	STD		4385	3	150	35	2.04	1	30
JAN1N6075	Santa Ana	A	STD	503	7784	3	150	35	2.04	1	30
JANTX1N6075	Santa Ana	A	STD	503	9541	3	150	35	2.04	1	30
JANTXV1N6075	Santa Ana	A	STD	503	11012	3	150	35	2.04	1	30
UF315	Colorado	DO-201AD	STD		16751	3	150	100	0.95	10	30

Section Organization: Ultra Fast Rectifier Parametric Section is organized by ascending IO (amps), followed by ascending VR (volts), and then by trr (nsec)

General Notes:

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. Forward Voltage (VF) when specified is at the rated IO. For VF@IF refer to the product datasheets.
3. For detailed VF data refer to the product datasheets by using the fax on demand system or contacting the Microsemi manufacturing division.
4. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID

Fax On Demand (800) 713-4113

UFR-5

<http://www.microsemi.com>