

# Ultra Fast Rectifiers

**Microsemi**  
Power Semiconductor Solutions

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)
UPR30	Watertown	POWERMITE	SM		20779	2	300	20	1.25	10	50
1N6621	Santa Ana	A	STD		4980	2	400	20	2	0.5	30
1N6621U	Santa Ana	A SQ. MELF	SM		4981	2	400	20	2	0.5	30
JANTX1N6621	Santa Ana	A	STD	585	9938	2	400	20	2	0.5	30
JANTX1N6621U	Santa Ana	A SQ. MELF	SM	585	9939	2	400	20	2	0.5	30
JANTXV1N6621	Santa Ana	A	STD	585	11409	2	400	20	2	0.5	30
JANTXV1N6621U	Santa Ana	A SQ. MELF	SM	585	11410	2	400	20	2	0.5	30
SF26	Chatsworth	DO-15	STD		18212	2	400	50	0.975	5	50
UES1106	Watertown	A	STD		16645	2	400	20		10	50
UES1106HR2	Watertown	A	STD		16646	2	400	20		10	50
UES1106SM	Watertown	A SQ. MELF	SM		16647	2	400	20		10	50
UPR40	Watertown	POWERMITE	SM		20780	2	400	20	1.25	10	50
1N6622	Santa Ana	A	STD		4982	2	600	20	2	0.5	30
1N6622U	Santa Ana	A SQ. MELF	SM		4983	2	600	20	2	0.5	30
JANTX1N6622	Santa Ana	A	STD	585	9940	2	600	20	2	0.5	30
JANTX1N6622U	Santa Ana	A SQ. MELF	SM	585	9941	2	600	20	2	0.5	30
JANTXV1N6622	Santa Ana	A	STD	585	11411	2	600	20	2	0.5	30
JANTXV1N6622U	Santa Ana	A SQ. MELF	SM	585	11412	2	600	20	2	0.5	30
1N5802	Watertown	A	STD		3886	2.5	50	35	0.875	1	25
1N5802US	Watertown	A SQ. MELF	SM		3887	2.5	50	35	0.875	1	25
JAN1N5802	Watertown	A	STD	477	7716	2.5	50	35	0.875	1	25
JAN1N5802US	Watertown	A SQ. MELF	SM	477	7717	2.5	50	35	0.875	1	25
JANS1N5802	Santa Ana	A	STD	477	8598	2.5	50	35	1	1	25
JANS1N5802US	Santa Ana	A SQ. MELF	SM	477	8599	2.5	50	35	1	1	25
JANTX1N5802	Watertown	A	STD	477	9473	2.5	50	35	0.875	1	25
JANTX1N5802US	Watertown	A SQ. MELF	SM	477	9474	2.5	50	35	0.875	1	25
JANTXV1N5802	Watertown	A	STD	477	10944	2.5	50	35	0.875	1	25
JANTXV1N5802US	Watertown	A SQ. MELF	SM	477	10945	2.5	50	35	0.875	1	25
UES1101	Watertown	A	STD		16633	2.5	50	35		2	25
UES1101SM	Watertown	A SQ. MELF	SM		16634	2.5	50	35		2	25
UPR5	Watertown	POWERMITE	SM		20751	2.5	50	25	0.975	2	25
1N5803	Watertown	A	STD		3888	2.5	75	35	0.875	1	25
1N5804	Watertown	A	STD		3889	2.5	100	35	0.875	1	25
1N5804US	Watertown	A SQ. MELF	SM		3890	2.5	100	35	0.875	1	25
JAN1N5804	Watertown	A	STD	477	7718	2.5	100	35	0.875	1	25
JAN1N5804US	Watertown	A SQ. MELF	SM	477	7719	2.5	100	35	0.875	1	25
JANS1N5804	Santa Ana	A	STD	477	8600	2.5	100	35	1	1	25
JANS1N5804US	Santa Ana	A SQ. MELF	SM	477	8601	2.5	100	35	1	1	25
JANTX1N5804	Watertown	A	STD	477	9475	2.5	100	35	0.875	1	25
JANTX1N5804US	Watertown	A SQ. MELF	SM	477	9476	2.5	100	35	0.875	1	25
JANTXV1N5804	Watertown	A	STD	477	10946	2.5	100	35	0.875	1	25
JANTXV1N5804US	Watertown	A SQ. MELF	SM	477	10947	2.5	100	35	0.875	1	25
UES1102	Watertown	A	STD		16635	2.5	100	35		2	25
UES1102SM	Watertown	A SQ. MELF	SM		16636	2.5	100	35		2	25
UPR10	Watertown	POWERMITE	SM		20752	2.5	100	25	0.975	2	25

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

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