

# Ultra Fast Rectifiers



**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)
PPR1355	PPC, Inc.	TO-254	STD		23999	15	500	150	1.3	50	50
PPR1369	PPC, Inc.	TO-3	STD		24003	15	500	400	1.25	50	50
1N6708	Santa Ana	G-STRAP	SM		24153	15	1000	115	3	20	60
1N6708R	Santa Ana	G-STRAP	SM		24160	15	1000	115	3	20	60
1N6709	Santa Ana	G-STRAP	SM		24154	15	1200	115	3	20	60
1N6709R	Santa Ana	G-STRAP	SM		24161	15	1200	115	3	20	60
UES1605CT	Watertown	TO-220AC	STD		20742	16	50	100		5	25
UES1501	Watertown	TO-220AC	STD		16667	16	50	300		10	35
UES2401	Watertown	TO-220AB	STD		16671	16	50	80		5	35
UES1610CT	Watertown	TO-220AC	STD		20743	16	100	100		5	25
UES1502	Watertown	TO-220AC	STD		16668	16	100	300		10	35
UES2402	Watertown	TO-220AB	STD		16672	16	100	80		5	35
UF1610	Colorado	TO-220	STD		21144	16	100	200	1	10	35
UES1615CT	Watertown	TO-220AC	STD		20744	16	150	100		5	25
UES1503	Watertown	TO-220AC	STD		16669	16	150	300		10	35
UES2403	Watertown	TO-220AB	STD		16673	16	150	80		5	35
UF1615	Colorado	TO-220	STD		21145	16	150	200	1	10	35
BYV32E-200	Watertown	TO-220	STD		20750	16	200	125		600	25
UHVP2802	Watertown	TO-220	STD		20739	16	200	100		10	25
UES1504	Watertown	TO-220AC	STD		16670	16	200	300		10	35
UES2404	Watertown	TO-220AB	STD		16674	16	200	80		5	35
UF1620	Colorado	TO-220	STD		21146	16	200	200	1	10	35
UES1620CT	Watertown	TO-220AC	STD		20745	16	200	100		5	50
UES1630CT	Watertown	TO-220AC	STD		20746	16	300	100		10	50
UF1630	Colorado	TO-220	STD		21147	16	300	200	1.2	10	50
UHVP2804	Watertown	TO-220	STD		20740	16	400	100		10	25
UES1640CT	Watertown	TO-220AC	STD		20747	16	400	100		10	50
UF1640	Colorado	TO-220	STD		21148	16	400	200	1.2	10	50
UES1650CT	Watertown	TO-220AC	STD		20748	16	500	100		10	50
UF1650	Colorado	TO-220	STD		21149	16	500	200	1.2	10	50
UHVP2806	Watertown	TO-220	STD		20741	16	600	100		10	25
UES1660CT	Watertown	TO-220AC	STD		20749	16	500	100		10	50
UF1660	Colorado	TO-220	STD		21150	16	600	200	1.3	10	70
UF1670	Colorado	TO-220	STD		21151	16	700	200	1.2	10	70
UF1680	Colorado	TO-220	STD		21152	16	800	200	1.3	10	70
1N5812	Watertown	DO-4	STD		3903	20	50	400	0.95	10	35
1N5812	Colorado	DO-4	STD		3902	20	50	400	0.95	10	35
1N5812R	Colorado	DO-4	STD		3904	20	50	400	0.95	10	35
1N5812R	Watertown	DO-4	STD		3905	20	50	400	0.95	10	35
1N6651	Sertech Labs	TO-59	STD		22025	20	50	300	1.2	10	35
1N6654	Sertech Labs	TO-254	STD		22028	20	50	300	1.2	10	35
1N6657	Sertech Labs	TO-254	STD		22031	20	50	300	1.2	10	35
JAN1N5812	Colorado	DO-4	STD	478	7728	20	50	400	0.95	10	35
JAN1N5812	Watertown	DO-4	STD	478	7729	20	50	400	0.95	10	35
JAN1N5812R	Colorado	DO-4	STD	478	7730	20	50	400	0.95	10	35

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