

# Ultra Fast Rectifiers

**Microsemi**  
ANALOG • POWER • SIGNAL

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)
SF61	Chatsworth	DO-201AD	STD		14795	6	50	150	0.975	10	35
1N5808	Watertown	B	STD		3896	6	75	125	0.875	5	30
1N5809	Watertown	B	STD		3897	6	100	125	0.875	5	30
1N5809US	Watertown	B SQ. MELF	SM		3898	6	100	125	0.875	5	30
1N6077	Santa Ana	E	STD		4387	6	100	75	1.76	5	30
JAN1N5809	Watertown	B	STD	477	7724	6	100	125	0.875	5	30
JAN1N5809US	Watertown	B SQ. MELF	SM	477	7725	6	100	125	0.875	5	30
JANS1N5809	Santa Ana	E	STD	477	8606	6	100	125	1	5	30
JANS1N5809US	Santa Ana	E SQ. MELF	SM	477	8607	6	100	125	1	5	30
JANTX1N5809	Watertown	B	STD	477	9481	6	100	125	0.875	5	30
JANTX1N5809US	Watertown	B SQ. MELF	SM	477	9482	6	100	125	0.875	5	30
JANTXV1N5809	Watertown	B	STD	477	10952	6	100	125	0.875	5	30
JANTXV1N5809US	Watertown	B SQ. MELF	SM	477	10953	6	100	125	0.875	5	30
UES1302	Watertown	B	STD		16650	6	100	125		5	30
UES1302SM	Watertown	B SQ. MELF	SM		16651	6	100	125		5	30
1N6664	PPC, Inc.	TO-257	STD		23972	6	100	100	1	0.25	35
1N6664R	PPC, Inc.	TO-257	STD		23971	6	100	100	1	0.25	35
SF62	Chatsworth	DO-201AD	STD		14796	6	100	150	0.975	10	35
1N5810	Watertown	B	STD		3899	6	125	125	0.875	5	30
1N5811	Watertown	B	STD		3900	6	150	125	0.875	5	30
1N5811US	Watertown	B SQ. MELF	SM		3901	6	150	125	0.875	5	30
1N6078	Santa Ana	E	STD		4388	6	150	75	1.76	5	30
JAN1N5811	Watertown	B	STD	477	7726	6	150	125	0.875	5	30
JAN1N5811US	Watertown	B SQ. MELF	SM	477	7727	6	150	125	0.875	5	30
JANS1N5811	Santa Ana	E	STD	477	8608	6	150	125	1	5	30
JANS1N5811US	Santa Ana	E SQ. MELF	SM	477	8609	6	150	125	1	5	30
JANTX1N5811	Watertown	B	STD	477	9483	6	150	125	0.875	5	30
JANTX1N5811US	Watertown	B SQ. MELF	SM	477	9484	6	150	125	0.875	5	30
JANTXV1N5811	Watertown	B	STD	477	10954	6	150	125	0.875	5	30
JANTXV1N5811US	Watertown	B SQ. MELF	SM	477	10955	6	150	125	0.875	5	30
UES1303	Watertown	B	STD		16652	6	150	125		5	30
UES1303SM	Watertown	B SQ. MELF	SM		16653	6	150	125		5	30
1N6665	PPC, Inc.	TO-257	STD		23973	6	150	100	1	0.25	35
1N6665R	PPC, Inc.	TO-257	STD		23974	6	150	100	1	0.25	35
SF63	Chatsworth	DO-201AD	STD		14797	6	150	150	0.975	10	35
1N6666	PPC, Inc.	TO-257	STD		23975	6	200	100	1	0.25	35
1N6666R	PPC, Inc.	TO-257	STD		23976	6	200	100	1	0.25	35
SF64	Chatsworth	DO-201AD	STD		14798	6	200	150	0.975	10	35
UES1401	Watertown	TO-220AC	STD		16663	8	50	80		5	35
UF810	Colorado	TO-220	STD		21154	8	100	125	1	10	30
UES1402	Watertown	TO-220AC	STD		16664	8	100	80		5	35
UF815	Colorado	TO-220	STD		21155	8	150	125	1	10	30
UES1403	Watertown	TO-220AC	STD		16665	8	150	80		5	35
RSF0820	Serotech Labs	TO-254	STD		21312	8	200				
UF820	Colorado	TO-220	STD		21156	8	200	125	1	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-9

<http://www.microsemi.com>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Microchip:](#)

[UES1301SM/TR](#) [UES1302SM<sub>Me3</sub>/TR](#) [UES1302SM/TR](#) [UES1302SM<sub>Me3</sub>](#) [UES1302SM](#) [UES1301SM](#)