

Ultra Fast Rectifiers

Microsemi
Power Semiconductor Products

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)
UFS130J	Colorado	DO-214BA	SM		20137	1	300	30	1.1	10	50
1N6536	Santa Ana	A	STD		4963	1	400		1.5	10	30
DLSF16	Chatsworth	DL-41 MELF	SM		6395	1	400	30	1.25	5	50
ER1G	Chatsworth	DO-214AA	SM		18008	1	400	30	1.25	5	50
ES1G	Chatsworth	DO-214AC	SM		18022	1	400	30	1.25	5	50
SF16	Chatsworth	DO-41	STD		14785	1	400	30	1.25	5	50
UF140	Colorado	DO-41	STD		16739	1	400	30	1.1	10	50
UF140SM	Colorado	DO-213AB	SM		16740	1	400	30	1.1	10	50
UF4004	Chatsworth	DO-41	STD		16762	1	400	30	1.1	10	50
UF4004GP	Chatsworth	DO-41	STD		18250	1	400	30	1.1	10	50
UFS140G	Colorado	DO-215AA	SM		20204	1	400	30	1.1	10	50
UFS140J	Colorado	DO-214BA	SM		20138	1	400	30	1.1	10	50
1N6537	Santa Ana	A	STD		4964	1	500		1.8	10	30
UF150	Colorado	DO-41	STD		16741	1	500	30	1.1	10	50
UF150SM	Colorado	DO-213AB	SM		16742	1	500	30	1.1	10	50
UFS150G	Colorado	DO-215AA	SM		20205	1	500	30	1.1	10	50
UFS150J	Colorado	DO-214BA	SM		20139	1	500	30	1.1	10	50
1N6538	Santa Ana	A	STD		4965	1	600		1.8	10	50
DLSF18	Chatsworth	DL-41 MELF	SM		6396	1	600	30	1.25	5	50
ER1J	Chatsworth	DO-214AA	SM		18009	1	600	30	1.25	5	50
ES1J	Chatsworth	DO-214AC	SM		18023	1	600	30	1.25	5	50
SF18	Chatsworth	DO-41	STD		14786	1	600	30	1.25	5	50
UF160	Colorado	DO-41	STD		16743	1	600	25	1.2	20	60
UF160SM	Colorado	DO-213AB	SM		16744	1	600	25	1.2	20	60
UFS160G	Colorado	DO-215AA	SM		20206	1	600	25	1.2	20	60
UFS160J	Colorado	DO-214BA	SM		20140	1	600	25	1.2	20	60
UF4005	Chatsworth	DO-41	STD		16763	1	600	30	1.1	10	75
UF4005GP	Chatsworth	DO-41	STD		18251	1	600	30	1.1	10	75
1N6539	Santa Ana	A	STD		4966	1	700		1.8	10	50
UF170	Colorado	DO-41	STD		16745	1	700	25	1.2	20	60
UF170SM	Colorado	DO-213AB	SM		16746	1	700	25	1.2	20	60
UFS170G	Colorado	DO-215AA	SM		20207	1	700	25	1.2	20	60
UFS170J	Colorado	DO-214BA	SM		20141	1	700	25	1.2	20	60
UF180	Colorado	DO-41	STD		16747	1	800	25	1.2	20	60
UF180SM	Colorado	DO-213AB	SM		16748	1	800	25	1.2	20	60
UFS180G	Colorado	DO-215AA	SM		20208	1	800	25	1.2	20	60
UFS180J	Colorado	DO-214BA	SM		20142	1	800	25	1.2	20	60
1N6540	Santa Ana	A	STD		4967	1	800		1.8	10	75
UF4006	Chatsworth	DO-41	STD		16764	1	800	30	1.1	10	75
UF4006GP	Chatsworth	DO-41	STD		18252	1	800	30	1.1	10	75
1N6541	Santa Ana	A	STD		4968	1	900		1.8	10	100
UF4007	Chatsworth	DO-41	STD		16765	1	1000	30	1.1	10	75
UF4007GP	Chatsworth	DO-41	STD		18253	1	1000	30	1.1	10	75
1N6542	Santa Ana	A	STD		4969	1	1000		1.8	10	100
1N6623	Santa Ana	A	STD		4984	1.5	800	20	2	0.5	50

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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<http://www.microsemi.com>