

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)
1N6716GR	Santa Ana	X-STRAP	SM		24147	40	1200	300	3	50	80
UES4505C	Watertown	TO-3P	STD		16697	45	50	450		20	50
UES4505S	Watertown	TO-3P	STD		16698	45	50	450		20	50
UES4510C	Watertown	TO-3P	STD		16699	45	100	450		20	50
UES4510S	Watertown	TO-3P	STD		16700	45	100	450		20	50
UES4515C	Watertown	TO-3P	STD		16701	45	150	450		20	50
UES4515S	Watertown	TO-3P	STD		16702	45	150	450		20	50
1N6710	Santa Ana	X	SM		20726	50	100	375	1.1	50	40
1N6710G	Santa Ana	X-STRAP	SM		24134	50	100	375	1.1	50	40
1N6710GR	Santa Ana	X-STRAP	SM		24141	50	100	375	1.1	50	40
1N6711	Santa Ana	X	SM		20729	50	200	375	1.1	50	40
1N6711G	Santa Ana	X-STRAP	SM		24135	50	200	375	1.1	50	40
1N6711GR	Santa Ana	X-STRAP	SM		24142	50	200	375	1.1	50	40
UES804	Watertown	DO-5	STD		16722	50	200	600		70	50
UES804R	Watertown	DO-5	STD		16723	50	200	600		70	50
UES805	Watertown	DO-5	STD		16724	50	300	600		70	50
UES805R	Watertown	DO-5	STD		16725	50	300	600		70	50
1N6712	Santa Ana	X	SM		20732	50	400	375	1.1	50	40
1N6712G	Santa Ana	X-STRAP	SM		24136	50	400	375	1.1	50	40
1N6712GR	Santa Ana	X-STRAP	SM		24143	50	400	375	1.1	50	40
UES806	Watertown	DO-5	STD		16726	50	400	600		70	50
UES806HR2	Watertown	DO-5	STD		16727	50	400	600		70	50
UES806R	Watertown	DO-5	STD		16728	50	400	600		70	50
1N6713	Santa Ana	X	SM		20735	50	600	375	1.6	50	60
1N6713G	Santa Ana	X-STRAP	SM		24137	50	600	375	1.6	50	60
1N6713GR	Santa Ana	X-STRAP	SM		24144	50	600	375	1.6	50	60
1N6714	Santa Ana	X	SM		20754	50	800	375	1.6	50	60
1N6714G	Santa Ana	X-STRAP	SM		24138	50	800	375	1.6	50	60
1N6714GR	Santa Ana	X-STRAP	SM		24145	50	800	375	1.6	50	60
1N6304	Colorado	DO-5	STD		4793	70	50	800	0.975	25	30
1N6304R	Colorado	DO-5	STD		4795	70	50	800	0.975	25	30
JAN1N6304	Colorado	DO-5	STD		8065	70	50	800	0.975	25	30
JAN1N6304R	Colorado	DO-5	STD		8067	70	50	800	0.975	25	30
JANTX1N6304	Colorado	DO-5	STD	550	9822	70	50	800	0.975	25	30
JANTX1N6304R	Colorado	DO-5	STD	550	9824	70	50	800	0.975	25	30
JANTXV1N6304	Colorado	DO-5	STD	550	11293	70	50	800	0.975	25	30
JANTXV1N6304R	Colorado	DO-5	STD	550	11295	70	50	800	0.975	25	30
UFR7005	Colorado	DO-5	STD		16810	70	50	1000	0.975	25	30
UFR7005R	Colorado	DO-5	STD		16811	70	50	1000	0.975	25	30
1N3899	Colorado	DO-5	STD		2240	70	50	1000	0.975	25	50
1N6304	Watertown	DO-5	STD		4794	70	50	800	0.975	25	50
1N6304R	Watertown	DO-5	STD		4796	70	50	800	0.975	25	50
JAN1N6304	Watertown	DO-5	STD		8066	70	50	800	0.975	25	50
JAN1N6304R	Watertown	DO-5	STD		8068	70	50	800	0.975	25	50
JANTX1N6304	Watertown	DO-5	STD	550	9823	70	50	800	0.975	25	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>