

Super Fast & Ultra Fast Recovery Rectifiers

Leaded Rectifiers (Glass Passivated)

Part No. VR=VRRM Min. (V)								I _{FAV} Max. (A)	I _{FSM} Max. (A)	IR @ uA VR=VRRM (25°C)	V _F at I _F		T _{rr} Max. (ns)	Package	
50	100	200	300	400	500	600	800				1000	Max. (V)			A
UG1001	UG1002	UG1003		UG1004					1	30	5	1	1	50	DO-41
						UG1005	UG1006	UG1007	1	30	5	1.3	1	50	DO-41
									1	30	5	1.7	1	75	DO-41
UG1001M	UG1002M	UG1003M		UG1004M					1	30	5	1	1	50	DO-41
						UG1005M	UG1006M	UG1007M	1	30	5	1.3	1	50	DO-41
									1	30	5	1.7	1	75	DO-41
	SF10BG	SF10DG							1	30	5	0.95	1	35	DO-41
			SF10FG	SF10GG					1	30	5	1.25	1	40	DO-41
					SF10HG	SF10JG			1	30	5	1.3	1	50	DO-41
UG2001	UG2002	UG2003		UG2004					2	60	5	1	2	50	DO-15
						UG2005	UG2006	UG2007	2	60	5	1.3	2	50	DO-15
									2	60	5	1.7	2	75	DO-15
UG2001M	UG2002M	UG2003M		UG2004M					2	60	5	1	2	50	DO-15
						UG2005M	UG2006M	UG2007M	2	60	5	1.3	2	50	DO-15
									2	60	5	1.7	2	75	DO-15
	SF20BG	SF20DG							2	60	5	0.95	2	35	DO-15
			SF20FG	SF20GG					2	60	5	1.25	2	40	DO-15
					SF20HG	SF20JG			2	60	5	1.3	2	50	DO-15
UG3001	UG3002	UG3003		UG3004					3	125	5	1	3	50	DO-201AD
						UG3005	UG3006	UG3007	3	125	5	1.3	3	50	DO-201AD
									3	125	5	1.7	3	75	DO-201AD
UG3001M	UG3002M	UG3003M		UG3004M					3	125	5	1	3	50	DO-201AD
						UG3005M	UG3006M	UG3007M	3	125	5	1.3	3	50	DO-201AD
									3	125	5	1.7	3	75	DO-201AD
	SF30BG	SF30DG							3	125	5	0.95	3	35	DO-201AD
			SF30FG	SF30GG					3	125	5	1.25	3	40	DO-201AD
					SF30HG	SF30JG			3	125	5	1.3	3	50	DO-201AD
	SF40BG	SF40DG							4	150	5	0.95	4	35	DO-201AD
			SF40FG	SF40GG					4	150	5	1.25	4	40	DO-201AD
					SF40HG	SF40JG			4	150	5	1.3	4	50	DO-201AD
	SF50BG	SF50DG							5	150	5	0.95	5	35	DO-201AD
			SF50FG	SF50GG					5	150	5	1.25	5	40	DO-201AD
					SF50HG	SF50JG			5	150	5	1.3	5	50	DO-201AD
	STPR510D	STPR520D							5	55	10	1.1	5	30	TO-220AC
			STPR530D	STPR540D					5	55	10	1.3	5	35	TO-220AC
					STPR550D	STPR560D			5	55	10	1.5	5	50	TO-220AC
	STPR610D	STPR620D							6	60	10	1.1	6	30	TO-220AC
			STPR630D	STPR640D					6	60	10	1.3	6	35	TO-220AC
					STPR650D	STPR660D			6	60	10	1.5	6	50	TO-220AC
	STPR810D	STPR820D							8	90	10	1.1	8	30	TO-220AC
			STPR830D	STPR840D					8	90	10	1.3	8	50	TO-220AC
					STPR850D	STPR860D			8	90	10	1.5	8	50	TO-220AC

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50	100	200	300	400	500	600	800	1000				Max. (V)	A		
STPR1010D STPR1020D									10	125	10	1.1	10	30	TO-220AC
STPR1030D STPR1040D									10	125	10	1.3	10	35	TO-220AC
STPR1050D STPR1060D									10	125	10	1.5	10	50	TO-220AC
STPR1010CT STPR1020CT									10	55	10	1.25	10	30	TO-220AB
STPR1030CT STPR1040CT									10	55	10	1.5	10	35	TO-220AB
STPR1050CT STPR1060CT									10	55	10	1.7	10	50	TO-220AB
STPR1210CT STPR1220CT									12	60	10	1.25	12	30	TO-220AB
STPR1230CT STPR1240CT									12	60	10	1.5	12	35	TO-220AB
STPR1250CT STPR1260CT									12	60	10	1.7	12	50	TO-220AB
STPR1610CT STPR1620CT									16	90	10	1.25	16	30	TO-220AB
STPR1630CT STPR1640CT									16	90	10	1.5	16	35	TO-220AB
STPR1650CT STPR1660CT									16	90	10	1.7	16	50	TO-220AB
STPR2010CT STPR2020CT									20	125	10	1.25	20	30	TO-220AB
STPR2030CT STPR2040CT									20	125	10	1.5	20	35	TO-220AB
STPR2050CT STPR2060CT									20	125	10	1.7	20	50	TO-220AB

Leaded Rectifiers (Open Junction)

Part No. VR=VRRM Min. (V)									I _{FAV} Max. (A)	I _{FSM} Max. (A)	IR @ uA VR=VRRM (25°C)	V _F at I _F		T _{rr} @ I _F (ns) Max. (ns)	Package
50	100	200	300	400	500	600	800	1000				Max. (V)	A		
UF1001 UF1002 UF1003									1	30	5	1	1	50	DO-41
UF1004									1	30	5	1.3	1	50	DO-41
UF1005 UF1006 UF1007									1	30	5	1.7	1	75	DO-41
UF1001M UF1002M UF1003M									1	30	5	1	1	50	DO-41
UF1004M									1	30	5	1.3	1	50	DO-41
UF1005M UF1006M UF1007M									1	30	5	1.7	1	75	DO-41
UF1501S UF1502S UF1503S									1.5	50	5	1	1.5	50	DO-41
UF1504S									1.5	50	5	1.3	1.5	50	DO-41
UF1505S UF1506S UF1507S									1.5	50	5	1.7	1.5	75	DO-41
UF1501MS UF1502MS UF1503MS									1.5	50	5	1	1.5	50	DO-41
UF1504MS									1.5	50	5	1.3	1.5	50	DO-41
UF1505MS UF1506MS UF1507MS									1.5	50	5	1.7	1.5	75	DO-41
UF1501 UF1502 UF1503									1.5	50	5	1	1.5	50	DO-15
UF1504									1.5	50	5	1.3	1.5	50	DO-15
UF1505 UF1506 UF1507									1.5	50	5	1.7	1.5	75	DO-15
UF1501M UF1502M UF1503M									1.5	50	5	1	1.5	50	DO-15
UF1504M									1.5	50	5	1.3	1.5	50	DO-15
UF1505M UF1506M UF1507M									1.5	50	5	1.7	1.5	75	DO-15
UF2001 UF2002 UF2003									2	60	5	1	2	50	DO-15
UF2004									2	60	5	1.3	2	50	DO-15
UF2005 UF2006 UF2007									2	60	5	1.7	2	75	DO-15
UF2001M UF2002M UF2003M									2	60	5	1	2	50	DO-15
UF2004M									2	60	5	1.3	2	50	DO-15
UF2005M UF2006M UF2007M									2	60	5	1.7	2	75	DO-15

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Part No. VR=VRRM Min. (V)									I _{FAV} Max. (A)	I _{FSM} Max. (A)	IR @ uA VR=VRRM (25°C)	V _F at I _F		T _{rr} (ns) Max. (ns)	Package
50	100	200	300	400	500	600	800	1000				Max. (V)	A		
UF3001	UF3002	UF3003		UF3004					3	150	5	1	3	50	DO-201AD
									3	150	5	1.3	3	50	DO-201AD
						UF3005	UF3006	UF3007	3	150	5	1.7	3	75	DO-201AD
UF3001M	UF3002M	UF3003M		UF3004M					3	150	5	1	3	50	DO-201AD
									3	150	5	1.3	3	50	DO-201AD
						UF3005M	UF3006M	UF3007M	3	150	5	1.7	3	75	DO-201AD

Surface Mount Rectifiers (Glass Passivated)

Part No. VR=VRRM Min. (V)									I _{FAV} Max. (A)	I _{FSM} Max. (A)	IR @ uA VR=VRRM (25°C)	V _F at I _F		T _{rr} (ns) Max. (ns)	Package
50	100	200	300	400	500	600	800	1000				Max. (V)	A		
ES1A	ES1B	ES1D		ES1G					1	30	5	0.92	1	25	SMA
									1	30	5	1.25	1	25	SMA
						ES1J			1	30	5	1.3	1	35	SMA
							ES1K		1	30	5	1.5	1	50	SMA
								ES1M	1	30	5	1.7	1	50	SMA
FS1A	FS1B	FS1D		FS1G					1	30	5	0.92	1	35	SMA
									1	30	5	1.25	1	35	SMA
						FS1J			1	30	5	1.3	1	50	SMA
US1A	US1B	US1D		US1G					1	30	5	1	1	50	SMA
									1	30	5	1.3	1	50	SMA
						US1J	US1K	US1M	1	30	5	1.7	1	75	SMA
ES2AA	ES2BA	ES2DA		ES2GA					2	50	5	0.92	2	25	SMA
									2	50	5	1.25	2	25	SMA
									2	50	5	1.3	2	35	SMA
						ES2JA			2	50	5	1.7	2	50	SMA
ES1AB	ES1BB	ES1DB		ES1GB					1	30	5	0.92	1	25	SMB
									1	30	5	1.25	1	25	SMB
									1	30	5	1.3	1	35	SMB
						ES1JB			2	50	5	0.92	2	25	SMB
ES2A	ES2B	ES2D		ES2G					2	50	5	1.25	2	25	SMB
									2	50	5	1.3	2	35	SMB
						ES2J			2	50	5	1.5	2	50	SMB
							ES2K	ES2M	2	50	5	1.7	2	50	SMB
FS2A	FS2B	FS2D		FS2G					2	50	5	0.92	2	35	SMB
									2	50	5	1.25	2	35	SMB
						FS2J			2	50	5	1.3	2	50	SMB
ES3AB	ES3BB	ES3DB		ES3GB					3	100	10	0.92	3	25	SMB
									3	100	10	1.25	3	25	SMB
									3	100	10	1.3	3	35	SMB
						ES3JB			3	100	10	0.92	3	25	SMC
ES3A	ES3B	ES3D		ES3G					3	100	10	1.25	3	25	SMC
									3	100	10	1.3	3	35	SMC
						ES3J			3	100	10	1.5	3	50	SMC
							ES3K		3	100	10	1.7	3	50	SMC
								ES3M	3	100	10	1.7	3	50	SMC

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Surface Mount Rectifiers (Glass Passivated)

Part No. VR=VRRM Min. (V)									I_{FAV}	I_{FSM}	IR @ uA	V_F at I_F		Trr	Package
50	100	200	300	400	500	600	800	1000	Max. (A)	Max. (A)	VR=VRRM (25°C)	Max. (V)	A	Max. (ns)	
FS3A	FS3B	FS3D							3	100	10	0.92	3	35	SMC
				FS3G					3	100	10	1.25	3	35	SMC
							FS3J		3	100	10	1.3	3	50	SMC