

T-03-01

FAST RECOVERY RECTIFIER**1A FAST RECOVERY RECTIFIER****(DO41 PACKAGE)**

TYPE	INDUSTRY PART NO	PEAK INVERSE VOLTAGE	MAX. AVG. FWD. CURRENT	MAX. FWD SURGE CURRENT 1 CYCLE 60HZ	MAX. FWD. VOLTAGE @ TA 25°C @ RATED CURRENT	MAX. REVERSE CURRENT @ 25°C @ RATED PIV	REVERSE RECOVERY TIME If = 0.5, Ir 1A ttr 0.25A
		Piv(V)	Io (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
FR10-005 FR10-01	FR101 FR102	50 100	1.0 55	50	1.3V @ 1A	5	150 150
FR10-02 FR10-04	FR103 FR104	200 400					150 150
FR10-06 FR10-08	FR105 FR106	600 800					250 500
FR10-10	FR107	1000					500
1N4933 1N4934	1N4933 1N4934	50 100					200 * 200 *
1N4935 1N4936	1N4935 1N4936	200 400	1.0 55	50	1.2V @ 1A	5	200 200
1N4937	1N4937	600					200 *

*TRR TEST CONDITION: If 1A, VR30V

1.5A FAST RECOVERY RECTIFIER**(DO15 PACKAGE)**

OPERATING AND STORAGE TEMPERATURE RANGE: -65°C TO +150°C

TYPE	IND. P/N	Piv(V)	Io(A) @ TA(°C)	IFSM (APK)	VFM(V)	IR(μA)	TRR(NS)
FR15-005 FR15-01	FR151 FR152	50 100	1.5 55	65	1.3V @ 1.5A	5	150 150
FR15-02 FR15-04	FR153 FR154	200 400					150 150
FR15-06 FR15-08	FR155 FR156	600 800					250 500
FR15-10	FR157	1000					500

2A FAST RECOVERY RECTIFIER**(DO15 PACKAGE)**

OPERATING AND STORAGE TEMPERATURE RANGE -55°C TO +150°C

TYPE	IND. P/N	Piv(V)	Io(A) @ TA(°C)	IFSM (APK)	VFM (V)	IR(μA)	TRR(ns)
FR20-005 FR20-01	FR201 FR202	50 100	1.5 55	70	1.3V @ 2A	5	150 150
FR20-02 FR20-04	FR203 FR204	200 400					150 150
FR20-06 FR20-08	FR205 FR206	600 800					250 500
FR20-10	FR207	1000					500

3A FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

OPERATING AND STORAGE TEMPERATURE RANGE -65°C TO +150°C

TYPE	IND. P/N	Piv(V)	Io(A) @ TA(°C)	IFSM (APK)	VFM(V)	IR(μA)	TRR(NS)
FR30-005 FR30-01	MR 850 MR 851	50 100	3.0 55	200	1.3V @ 3.0A	5	150 150
FR30-02 FR30-04	MR 852 MR 854	200 400					150 150
FR30-06 FR30-08	MR 856 RGP 30K	600 800					250 500
FR30-10	RGP 30M	1000					500

6A FAST RECOVERY RECTIFIER**(P6 PACKAGE)**

OPERATING AND STORAGE TEMPERATURE RANGE: -65°C TO +150°C

TYPE	IND. P/N	Piv(V)	Io(A) @ TA(°C)	IFSM (APK)	VFM(V)	IR(μA)	TRR(NS)
FR60-005 FR60-01	RP 600A RP 600B	50 100	*6 40	400	1.3V @ 6A	5	150 150
FR60-02 FR60-04	RP 600D RP 600G	200 400					150 150
FR60-06 FR60-08	RP 600J RP 600K	600 800					250 500
FR60-10	RP 600M	1000					500

* WITH 400mm² x 1.5μs @ LEAD LENGTH 95mm

ULTRA FAST RECOVERY RECTIFIER**1A ULTRA FAST RECOVERY RECTIFIER****(DO41 PACKAGE)**

TYPE	INDUSTRY PART NO	PEAK INVERSE VOLTAGE	MAX. AVG. RECT. CURRENT	MAX. FWD SURGE CURRENT 1 CYCLE 60HZ	MAX. FWD. VOLTAGE @ RATED CURRENT	MAX. REVERSE CURRENT @ 25°C @ RATED PIV	REVERSE RECOVERY TIME IF 0.5A, IR 1A Irr 0.25A
		PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
UF10-005	UF4001	50	1.0A @ 50°C	30	1.0 @ 1A	5	50
UF10-01	UF4002	100					50
UF10-02	UF4003	200					50

1.5A ULTRA FAST RECOVERY RECTIFIER**(DO15 PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
UF15-005	HER151	50	1.5A @ 50°C	50	1.0V @ 1.5A	5	50
UF15-01	HER152	100					50
UF15-02	HER153	200					50

2A ULTRA FAST RECOVERY RECTIFIER**(DO15 PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
UF20-005	HER201	50	2.0A @ 50°C	100	1.0V @ 2A	5	50
UF20-01	HER202	100					50
UF20-02	HER203	200					50

3A ULTRA FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
UF30-005	UF5400	50	3.0A @ 50°C	150	1.0V @ 3A	5	50
UF30-01	UF5401	100					50
UF30-02	UF5402	200					50

6A ULTRA FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
UF60-005	HER601	50	6.0A @ 50°C	300	1.0V @ 6A	5	50
UF60-01	HER602	100					50
UF60-02	HER603	200					50

SUPER FAST RECOVERY RECTIFIER**1A SUPER FAST RECOVERY RECTIFIER****(DO41 PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
SF10-005	SF11	50	1.0A @ 50°C	30	0.95V @ 1A	5	35
SF10-01	SF12	100					35
SF10-015	SF13	150					35
SF10-02	SF14	200					35

2A SUPER FAST RECOVERY RECTIFIER**(DO15 PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
SF20-005	SF21	50	2.0A @ 50°C	75	0.95V @ 2A	5	35
SF20-01	SF22	100					35
SF20-015	SF23	150					35
SF20-02	SF24	200					35

3A SUPER FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
SF30-005	SF31	50	3.0A @ 50°C	125	0.95V @ 3A	5	35
SF30-01	SF32	100					35
SF30-015	SF33	150					35
SF30-02	SF34	200					35

5A SUPER FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(ns)
SF50-005	SF51	50	5.0A @ 50°C	300	1.0V @ 5A	5	35
SF50-01	SF52	100					35
SF50-015	SF53	150					35
SF50-02	SF54	200					35

6A SUPER FAST RECOVERY RECTIFIER**(DO201AD PACKAGE)**

TYPE	IND. P/N	PIV(V)	IO (A) @ TA(°C)	IFSM(APK)	VFM (V)	IR(μA)	TRR(μS)
SF60-005	SF61	50	6.0A @ 50°C	300	1.0V @ 6A	5	35
SF60-01	SF62	100					35
SF60-015	SF63	150					35
SF60-02	SF64	200					35