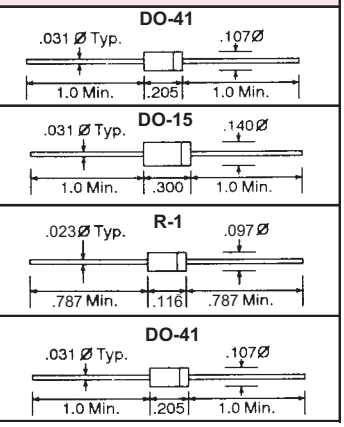
LEADED (THRU-HOLE): High Voltage Fast Recovery & Short Protection Rectifiers

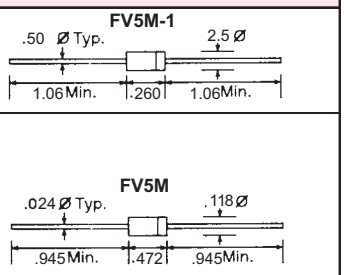
FAST RECOVERY HIGH VOLTAGE (PHOTO FLASH) RECTIFIER — Operating Temperature -55°C to +135°C

Part Number	Cross Reference	Max. Avg. Forward Current	Peak Inverse Voltage	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 @ I_F= 0.5A I_R - 1A I_{RR}=0.25A	Outline Max in inches
		I_O (A)	PIV (V)	I_{FSM} (A)	V_{FM} (V)	I_R (A)	(nSec)	
FR02-25	R2500F	0.5 A	2500	30	6	5	500	DO-41
FR02-30	R3000F	0.5 A	3000	30	6	5	500	
FR02-35	R3500F	0.5 A	3500	30	8	5	500	DO-15
FR02-40	R4000F	0.5 A	4000	30	8	5	500	
FR02-45	R4500F	0.5 A	4500	30	12	5	500	
FR02-50	R5000F	0.5 A	5000	30	12	5	500	
FR02-60	R6000F	0.5 A	6000	30	12	5	500	R-1
F10	F10	0.5 A	1000	30	1.8V @ 0.1A	5	500	
F15	F15	0.5 A	1500	30	1.8V @ 0.1A	5	500	
F20	F20	0.5 A	2000	30	1.8V @ 0.1A	5	500	
FR05-10	R1000F	0.5 A	1000	30	1.8V @ 0.1A	5	500	DO-41
FR05-15	R1500F	0.5 A	1500	30	1.8V @ 0.1A	5	500	
FR05-18	R1800F	0.5 A	1800	30	1.8V @ 0.1A	5	500	
FR05-20	R2000F	0.5 A	2000	30	1.8V @ 0.1A	5	500	



5mA HIGH VOLTAGE FAST RECOVERY RECTIFIER — Operating Temperature -55°C to +135°C

Part Number	Cross Reference	Max. Avg. Forward Current	Peak Inverse Voltage	Max Fwd Surge Current 1 Cycle	Max Fwd Voltage @TA 25°C @ 10mA	Max Reverse Current @25°C @ Rated PIV	Reverse Recovery Time		Outline Max in inches
		I_O (A)	PIV (V)	I_{FSM} (A)	V_{FM} (V)	I_R (A)	(mSec)	Vvr(V)	
FV5M-04		5 mA	4000	1	12.0	5	100 @ I_F 2mA	14.4	FV5M-1
FV5M-05		5 mA	5000	1	16.0	5		7.2	
FV5M-06	ESJA53-06	5 mA	6000	1	20.0	5		9.0	
FV5M-08	ESJA53-08	5 mA	8000	1	25.0	5		12.0	
FV5M-10	ESJA53-10	5 mA	10000	1	30.0	5		14.4	FV5M
FV5M-12	ESJA53-12	5 mA	12000	1	37.5	5		18.0	
FV5M-14	ESJA53-14	5 mA	14000	1	42.5	5		20.4	
FV5M-16	ESJA53-16	5 mA	16000	1	50.0	5		24.0	
FV5M-18	ESJA53-18	5 mA	18000	1	55.0	5		26.4	
FV5M-20	ESJA53-20	5 mA	20000	1	62.5	5		30.0	
FV5M-22	ESJA53-22	5 mA	22000	1	62.5	5		30.0	
FV5M-24	ESJA53-24	5 mA	24000	1	75.0	5		36.0	



SHORT PROTECTOR DIODE FOR MICROWAVE OVEN

Part Number	Cross Reference	Peak Inverse Voltage	Max Reverse Current @ Rated PIV	Reverse Breakdown Voltage @IR 100mA	Internal Connection	Outline Max in inches
		PIV (V)	I_R (A)	V_Z (KV)		
HV6X2P1	HVR062	D1:6.0KV D2: 1.5KV	10 10	D1: 7KV min D2: 2.1~2.8KV	5	HV03

