

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 | | |
| FR02-30 | R3000F | 0.5 A | 3000 | 30 | 6 | 5 | 500 | | |
| FR02-35 | R3500F | 0.5 A | 3500 | 30 | 8 | 5 | 500 | | |
| 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 | | |
| 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 | | |
| 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) | V _{vr} (V) | | |
| FV5M-04 | | 5 mA | 4000 | 1 | 12.0 | 5 | | 14.4 | | |
| 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-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 | | |