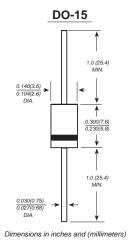
FAST RECOVERY RECTIFIERS



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Fast switching for high efficiency
- Low reverse leakage
- High forward surge current capability
- ◆ High temperature soldering guaranteed:
- 250°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.014 ounce, 0.40 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

SYMBOLS	FR 151	FR 152	FR 153	FR 154	FR 155	FR 156	FR 157	UNITS
VRRM	50	100	200	400	600	800	1000	VOLTS
VRMS	35	70	140	280	420	560	700	VOLTS
VDC	50	100	200	400	600	800	1000	VOLTS
Iravo	I(AV) 1.5							Amps
I(AV)								
	IFSM 60.0							
IFSM								Amps
VF	1.3							Volts
	5.0							uA
lR	IR 50.0							u/\
trr		15	60		250	50	00	ns
Cı	30.0						pF	
RqJA	50.0						°C/W	
ТЈ,Тѕтс	-65 to +150							°C
	VRRM VRMS VDC I(AV) IFSM VF IR CJ RqJA	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR CJ RqJA RqJA R111 R111 RqJA RqJA R111 R111 RqJA R111 R111	151 152 VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF IR Trr 15 CJ RqJA	151 152 153 154 152 153	Ver 1.3 Ver Ver	STIVISOLS 151 152 153 154 155	151 152 153 154 155 156	STIVISOLS 151 152 153 154 155 156 157

Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A

2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

3. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted



