1.5 AMP FAST RECOVERY RECTIFIERS

Reverse Voltage - 50 to 1000 V
Forward Current – 1.5 A

FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, method 208 guranteed
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Weight: 0.40 grams
- Both normal and Pb free product are available:
- Normal:80~95%Sn,5~20%Pb
- Pb free:99 Sn above can meet Rohs enviroment substance directive request

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25℃ ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load.For capacitive load, derate current by 20%.

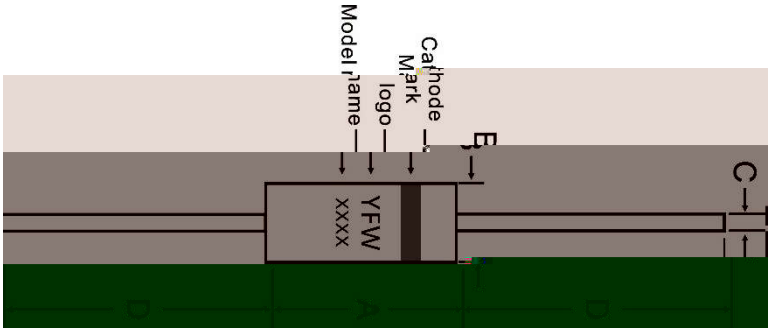
TYPE NUMBER	FR151	FR152	FR153	FR154	FR155	FR156	FR157	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=75℃				1.5				A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)				50				A
Maximum Instantaneous Forward Voltage at 1.5A				1.3				V
Maximum DC Reverse CurrentTa=25℃				5.0				μA
at Rated DC Blocking VoltageTa=100℃				100				μA
Maximum Reverse Recovery Time (Note 1)		150			250		500	nS
Typical Junction Capacitance (Note 2)				30				pF
Operating and Storage Temperature Range T_J, T_{STG}				-65+150				C

Ordering information

Package	Packing Description	Packing Quantity
DO-41	bulk	1000PCS/Inner Box 25000PCS/Carton
	ammo pack	5000PCS/Inner Box 50000PCS/Carton

Package Dimensions

DO-41



Dim.	Millimeter(mm)		INCHES	
	Min.	Max.	Min.	Max.
A	4.10	5.20	0.166	0.205
B	2.00	2.70	0.080	0.107
C	0.60	0.70	0.024	0.028
D	25.4	-	1.00	-