

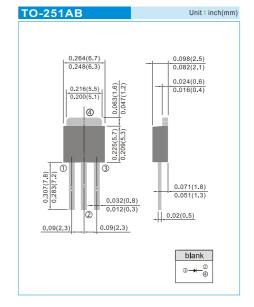


SUPERFAST RECOVERY RECTIFIERS

VOLTAGE 200 to 600 Volt CURRENT 5.0 Ampere

FEATURES

- Superfast recovery times-epitaxial construction.
- · Low forward voltage, high current capability.
- · Hermetically sealed.
- · Low leakage.
- High surge capability.
- Plastic package has Underwriters Laboratories Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.
- Lead free in compliance with EU RoHS 2.0



MECHANICALDATA

- Case: Molded plastic, TO-251AB
- Terminals: Axial leads, solderable to MIL-STD-750, Method 2026
- · Polarity: As marking
- Weight: 0.0104 ounces, 0.297 grams.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	ED502T	ED503T	ED504T	ED506T	UNITS
Maximum Recurrent Peak Reverse Voltage		200	300	400	600	V
Maximum RMS Voltage		140	210	280	420	V
Maximum DC Blocking Voltage	V _{DC}	200	300	400	600	V
Maximum Average Forward Current at T _A =75°C	I _{F(AV)}		А			
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load	I _{FSM}		А			
Maximum Forward Voltage at 5.0A DC	V _F	0.95	1.	25	1.70	V
Maximum DC Reverse Current at T _J =25°C Rated DC Blocking Voltage T _J =125°C	I _R		∝A			
Maximum Reverse Recovery Time	t _{rr}		nS			
Typical Junction capacitance	C J		pF			
Typical Thermal Resistance	R _{eJA}		°C / W			
Operating Junction and Storage Temperature Range	T_J, T_{STG}		°C			
				_		

NOTES:

1. Thermal Resistance Junction to Ambient .





RATING AND CHARACTERISTIC CURVES

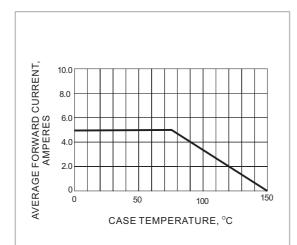


Fig.1-FORWARD CURRENT DERATING CURVE

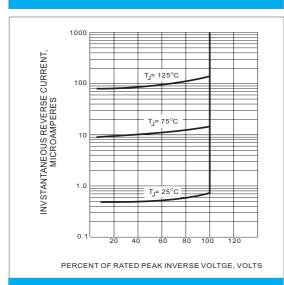


Fig.3-TYPICAL REVERSE CHARACTERISTICS

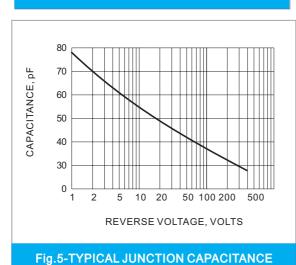


Fig.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

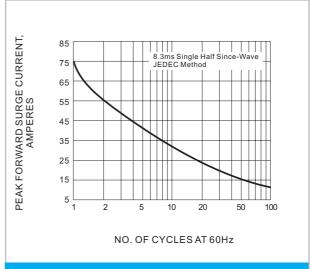


Fig.4-MAXIMUM NON-REPETITIVE SURGE CURRENT





Part No_packing code_Version

ED502T_T0_00001 ED502T_T0_10001

For example : RB500V-40_R2_00001 Part No. Serial number Version code means HF Packing size code means 13" Packing type means T/R

Packing Code XX			Version Code XXXXX				
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	Т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				





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