

UFD320

ULTRAFAST RECOVERY RECTIFIERS

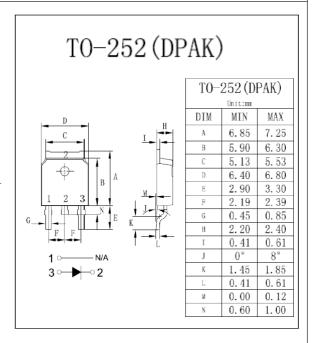
VOLTAGE	200 Volts
CURRENT	3 Amperes

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0.
 Flame Retardant Epoxy Molding Compound.
- Low power loss, high efficiency.
- · Low forward voltage, high current capability.
- · High surge capability
- · Ultra fast recovery time, high voltage.
- · Lead free in comply with EU RoHS.

MECHANICAL DATA

- · Case: TO-252 molded plastic
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: As marked.Mounting Position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

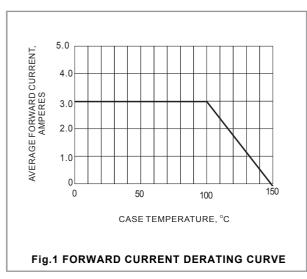
PARAMETER	SYMBOL	UFD320	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	V
Maximum RMS Voltage	V _{RMS}	140	V
Maximum DC Blocking Voltage	V _{DC}	200	V
Maximum Average Forward Rectified Current at T _c =100°C	I _{F(AV)}	3	А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	50	А
Maximum Forward Voltage at 3A	V _F	0.93	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_J =25°C T_J =125°C	l _R	10 500	μА
Maximum Thermal Resistance (Note 2)	R _{eJC}	10	°C /W
Maximum Reverse Recovery Time (Note 1)	t _{rr}	25	ns
Operating Junction and Storage Temperature Range	T_{J}, T_{STG}	-55 to +150	°C

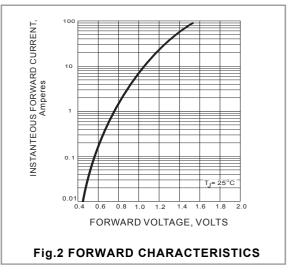
NOTES:

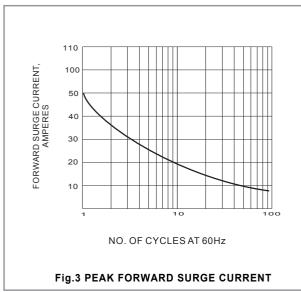
- 1. Reverse Rcovery Test Conditions: I_F=0.5A, I_R=1A, Irr=0.25A.
- 2. Thermal resistance from Junction to ambient and from junction to lead 0.375" (9.5mm) P.C.B mounte

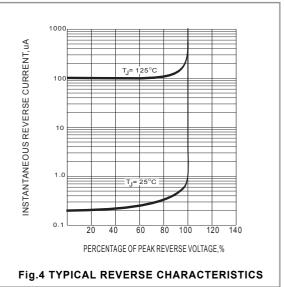


RATING AND CHARACTERISTIC CURVES











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