



UMUR2520

Preliminary

DIODE

SUPER FAST RECOVERY RECTIFIER

DESCRIPTION

The UTC **UMUR2520** a super fast recovery rectifier, it uses UTC's advanced technology to provide customers with high switching speed, high efficiency and low Leakage current, etc.

FEATURES

- * Low forward voltage drop
- * High switching speed
- * High efficiency
- * Low leakage current

SYMBOL

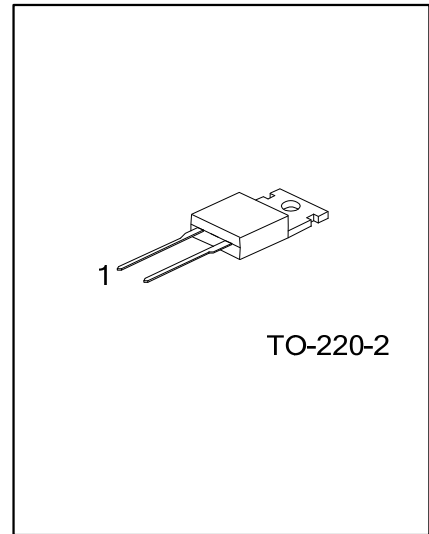


ORDERING INFORMATION

Ordering Number		Package	Pin Assignment			Packing
Lead Free	Halogen Free		1	2	3	
UMUR2520L-TA2-T	UMUR2520G-TA2-T	TO-220-2	K	A	NC	Tube

Note: Pin Assignment: A: Anode, K: Cathode

UMUR2520L-TA2-T (1)Packing Type (2)Package Type (3)Halogen Free	(1) T: Tube (2) TA2: TO-220-2 (3) L: Lead Free, G: Halogen Free
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■ ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	V_R	200	V
Recurrent Peak Reverse Voltage	V_{RRM}	200	V
RMS Voltage	V_{RMS}	40	V
Operating Temperature	T_J	-65~+175	°C
Storage Temperature	T_{STG}	-65~+175	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.

Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$, unless otherwise specified.)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Average Forward Current	$I_{F(AV)}$	$T_L=145^{\circ}\text{C}$		25		A
Peak Forward Surge Current	I_{FSM}	8.3ms, half sine		500		A
Instantaneous Forward Voltage	V_F	$I_{FM}=25\text{A}$, $T_A=25^{\circ}\text{C}$			0.950	V
DC Reverse Current At Rated DC Blocking Voltage	I_R	$T_A=25^{\circ}\text{C}$			10	μA
Reverse Recovery Time	T_{rr}	$F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{rr}=0.25\text{A}$			50	ns
Junction Capacitance	C_J	Measured at 1.0MHz, $V_R=4.0\text{V}$		100		pF

Note: Pulse Test: Pulse Width 300 μsec , Duty Cycle 1%

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