

GLASS PASSIVATED SUPER FAST RECTIFIER

VOLTAGE RANGE 600 Volts CURRENT 8.0 Amperes

FEATURES

- * Low switching noise
- * Low forward voltage drop
- * Low thermal resistance
- * High current capability
- * Super fast switching speed
- * High reliability
- * Good for switching mode circuit

MECHANICAL DATA

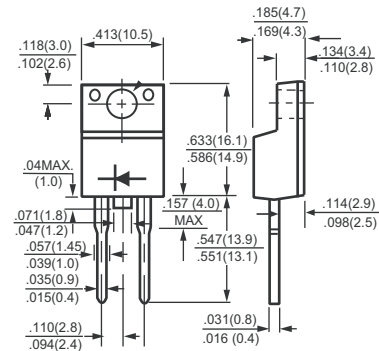
- * Case: ITO-220A molded plastic
- * Epoxy: Device has UL flammability classification 94V-0
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any

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%.



ITO-220A



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	IMUR860	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	600	Volts
Maximum RMS Voltage	VRMS	420	Volts
Maximum DC Blocking Voltage	VDC	600	Volts
Maximum Average Forward Rectified Current at Tc = 100°C	IO	8.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	110	Amps
Typical Current Squared Time	I ² t	50.2	A ² S
Typical Thermal Resistance	RθJc	3	°C/W
Typical Total Capacitance (Note 2)	Ct	80	pF
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150	°C

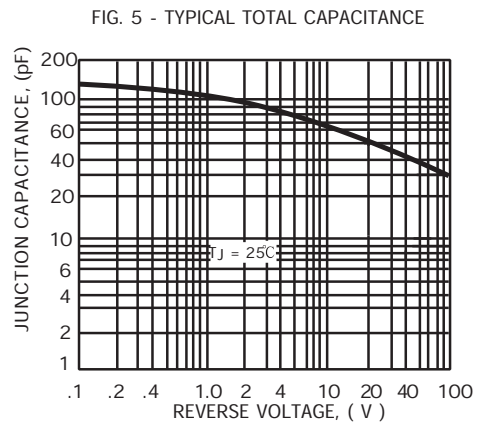
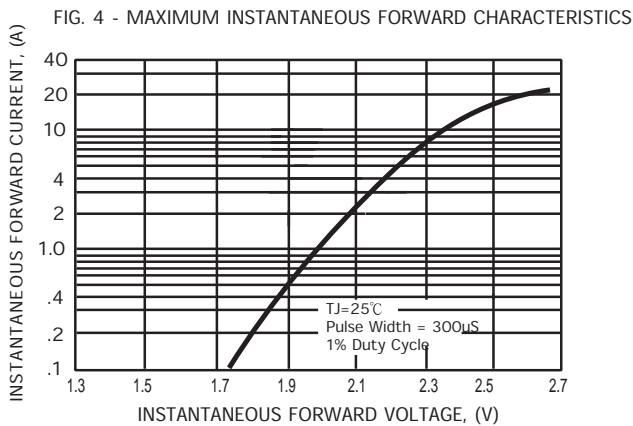
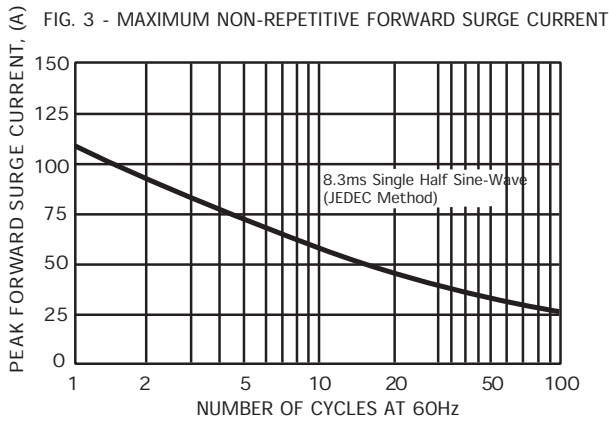
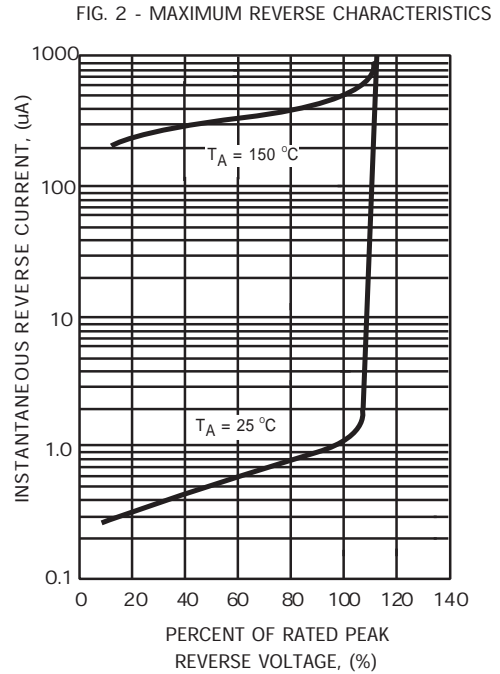
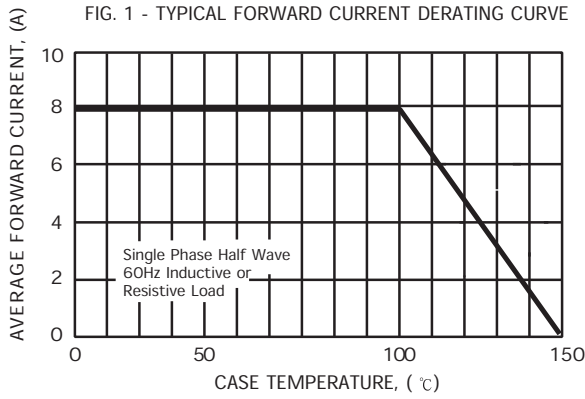
ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	IMUR860	UNITS
Maximum Instantaneous Forward Voltage at 8.0A DC	VF	2.3	Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	@ TA = 25°C 1.0	uAmps
		@ TA= 150 °C 500	
Maximum Reverse Recovery Time (Note 1)	trr	25	nSec

NOTES : 1. Test Conditions: IF = 0.5A, IR = -1.0A, IRR = -0.25 A
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2019-07/52
REV:A

RATING AND CHARACTERISTIC CURVES (IMUR860)



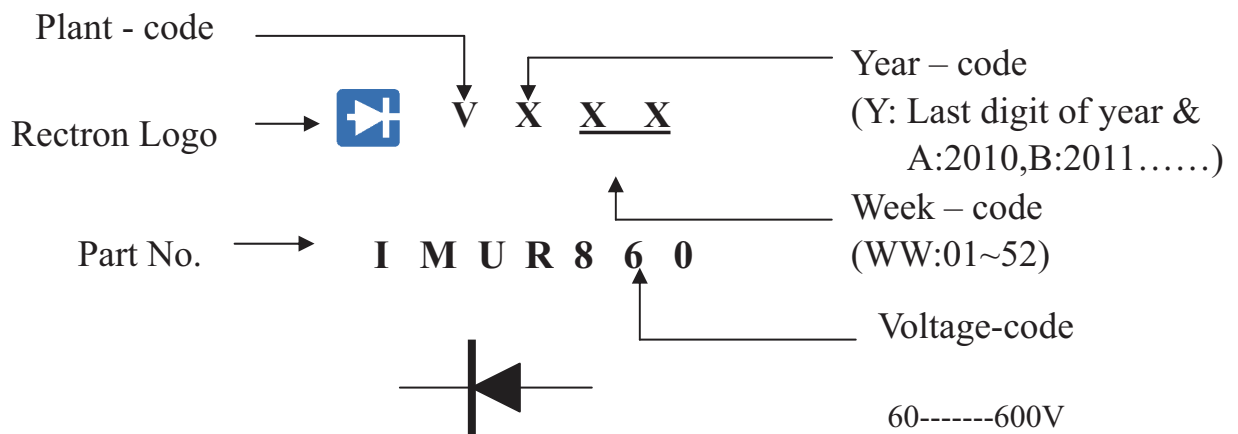


Attachment information about IMUR860

1. Internal Circuit



2. Marking on the body



3. Items marked on the inner box and carton

3.1 On the box (for -C)

CUSTOMER
TYPE
LOT NO.
QUANTITY
Q.A.
DATE

3.2 On the carton

CUSTOMER
TYPE
QUANTITY
LOT NO.
REMARK

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
(I)TO-220/TO-220(A)	-C	2,000	550*140*92	572*308*120	4,000	11.80

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