

UF200G ~ UF2010G

GLASS PASSIVATED JUNCTION ULTRAFAST RECOVERY RECTIFIERS

VOLTAGE 50 to 1000 Volt **CURRENT** 2 Ampere

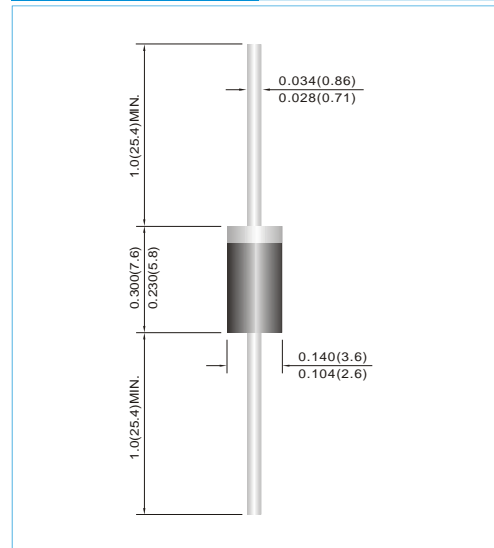
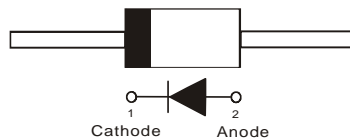
DO-15 Unit : inch(mm)

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound
- Ultra fast recovery for high efficiency.
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

- Case: Molded plastic, DO-15
- Terminals: Axial leads, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Weight: 0.014 ounce, 0.397 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

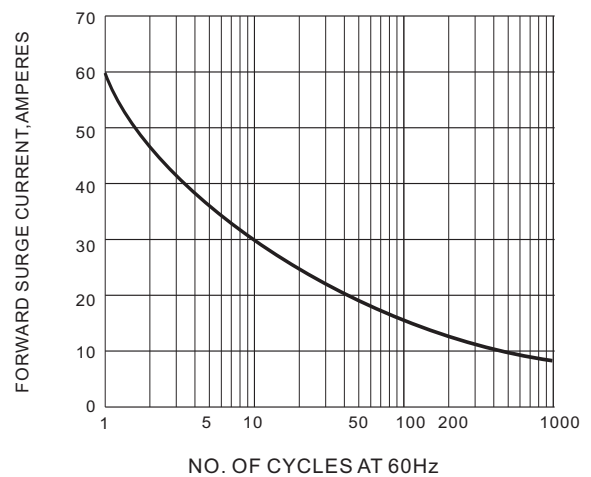
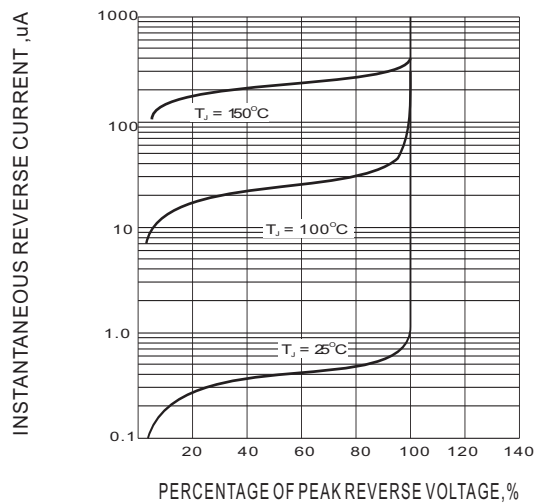
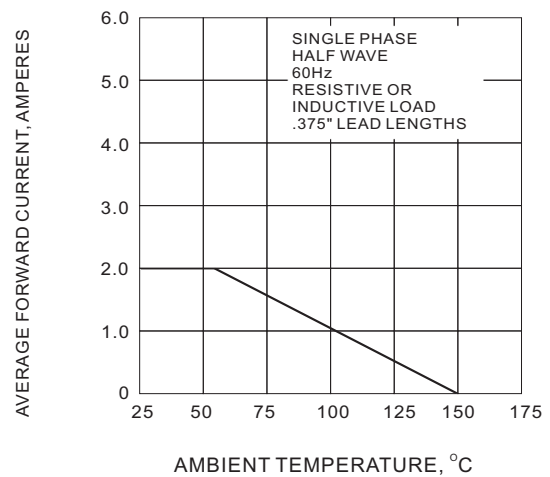
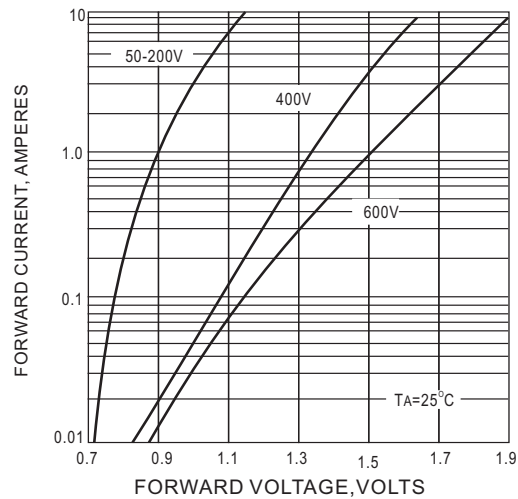
PARAMETER	SYMBOL	UF200G	UF201G	UF202G	UF204G	UF206G	UF208G	UF2010G	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at T _A =55°C	I _{F(AV)}	2							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	60							A
Maximum Forward Voltage at 2A	V _F	1			1.3	1.7			V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J =25°C T _J =125°C	I _R	1 200							μA
Typical Junction Capacitance (Note 1)	C _J	35							pF
Typical Thermal Resistance (Note 2)	R _{θJA}	45							°C / W
Maximum Reverse Recovery Time (Note 3)	t _{rr}	50				100			ns
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C

NOTES:

- Measured at 1 MHz and applied reverse voltage of 4 VDC.
- Thermal Resistance from Junction to Ambient and from Junction to lead length 0.375"(9.5mm) P.C.B. mounted.
- Reverse Recovery Time $I_F=0.5\text{A}$, $I_R=1\text{A}$, $I_{rr}=0.25\text{A}$

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RATING AND CHARACTERISTIC CURVES



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Product and Packing Information

Part No.	Package Type	Packing Type	Marking
UF200G	DO-15	3K pcs / Ammo	UF200G
UF201G	DO-15	3K pcs / Ammo	UF201G
UF202G	DO-15	3K pcs / Ammo	UF202G
UF204G	DO-15	3K pcs / Ammo	UF204G
UF206G	DO-15	3K pcs / Ammo	UF206G
UF208G	DO-15	3K pcs / Ammo	UF208G
UF2010G	DO-15	3K pcs / Ammo	UF2010G

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