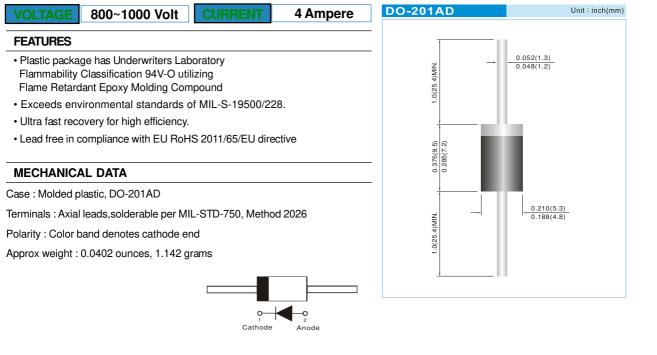


# UF408G~UF4010G

#### GLASS PASSIVATED JUNCTION ULTRAFAST SWITCHING RECTIFIERS



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

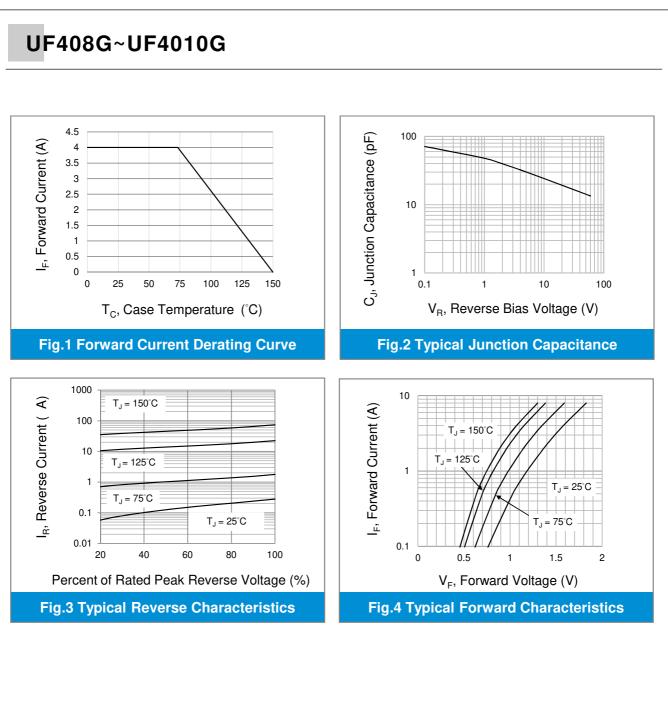
PARAMETER	SYMBOL	UF408G	UF4010G	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	560	700	v
Maximum DC Blocking Voltage	V <sub>DC</sub>	800	1000	v
Maximum Average Forward Current	I <sub>F(AV)</sub>	4		А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	150		А
Maximum Forward Voltage at 4A	V <sub>F</sub>	1.85		v
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	10		μA
Typical Thermal Resistance (Note 2)	R <sub>ejl</sub>	18		°C / W
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	75		ns
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>stg</sub>	-55 to +150		°C

NOTES :

1. Reverse Recovery Test Conditions : IF=0.5A, IR=1A, Recover to 0.25A.

2. The testing condition of the thermal resistance (junction to lead) is based on 10 mm lead length between two 10cm x 10cm x 0.5mm copper pad heatsinks.









### UF408G~UF4010G

### Part No\_packing code\_Version

UF408G_AY_00001
UF408G_AY_10001
UF408G_B0_00001
UF408G_B0_10001
UF408G_R2_00001
UF408G_R2_10001

### For example :

#### RB500V-40\_R2\_00001



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 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd~5<sup>th</sup> Code</sup>
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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