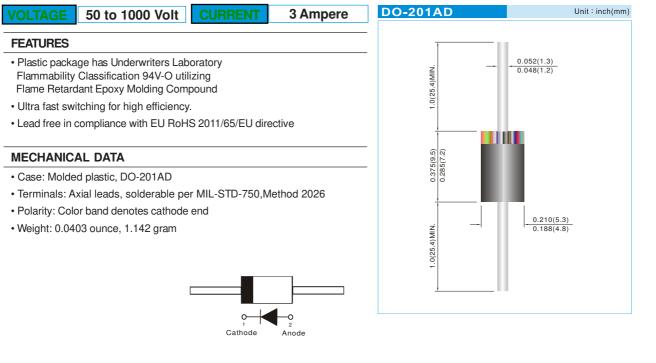


UF300G ~ UF3010G

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	UF300G	UF301G	UF302G	UF304G	UF306G	UF308G	UF3010G	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)}	3				A			
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	150					A		
Maximum Forward Voltage at 3A		1 1.3 1.7				v			
Maximum DC Reverse Current at Rated DC Blocking $T_j=25^{\circ}C$ Voltage $T_j=125^{\circ}C$	I _R	1 300				μA			
Typical Junction Capacitance (Note 1)		75 50				pF			
Typical Thermal Resistance (Note 2)	R _{eja}	50			°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 :

- 1. Measured at 1 MHz and applied reverse voltage of 4 VDC.
- 2. Thermal Resistance from Junction to Ambient and from Junction to lead length 0.375"(9.5mm) P.C.B. mounted.

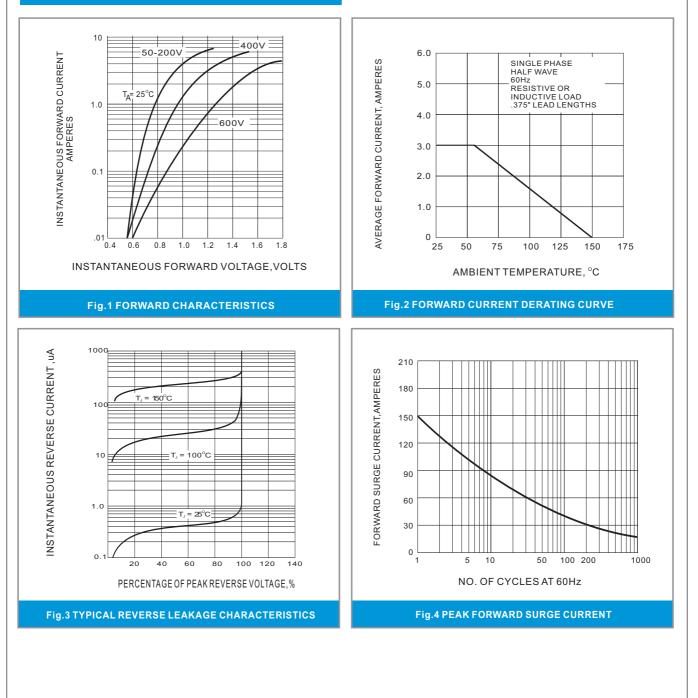
3. Reverse Recovery Time $I_F{=}0.5A$, $I_R{=}1A$, $I_{rr}{=}0.25A$





UF300G ~ **UF3010G**

RATING AND CHARACTERISTIC CURVES







UF300G ~ UF3010G

Part No_packing code_Version

UF300G_AY_00001
UF300G_AY_10001
UF300G_B0_00001
UF300G_B0_10001
UF300G_R2_00001
UF300G_R2_10001

For example :





- 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 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	A	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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