



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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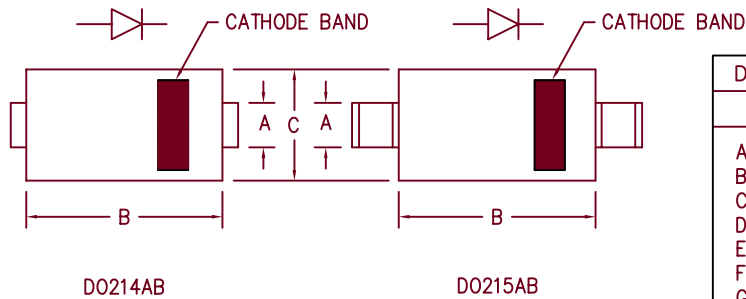
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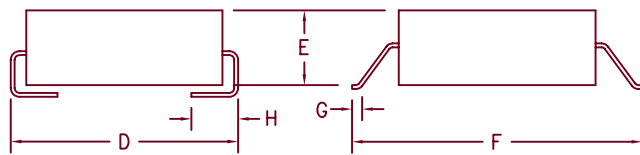


# Ultra Fast Recovery Rectifiers

## UFS330 – UFS350



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.117	.123	2.97	3.12	
B	.260	.280	6.60	7.11	
C	.220	.245	5.59	6.22	
D	.307	.322	7.80	8.18	
E	.075	.095	1.91	2.41	
F	.380	.400	9.65	10.16	
G	.025	.040	.640	1.02	
H	.030	.060	.760	1.52	



Microsemi Catalog Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
*UFS330	300V	300V
*UFS340	400V	400V
*UFS350	500V	500V

\* Add Suffix J for J Lead or G for Gull Wing Lead Configuration

- Ultra Fast Recovery
- VRRM 300 to 500 Volts
- 3 Amp Current Rating
- 175°C Junction Temperature
- $t_{RR}$  50ns Max

Electrical Characteristics			
Average forward current	IF(AV) 3.0 Amps	Square wave	
Maximum surge current	IFSM 100 Amps	8.3ms, half sine, $T_J = 175^\circ\text{C}$	
Max peak forward voltage	VFM 1.1 Volts	IFM = 3.0A; $T_J = 25^\circ\text{C}^*$	
Max reverse recovery time	$t_{RR}$ 50 ns	1/2A, 1A, 1/4A, $T_J = 25^\circ\text{C}$	
Max peak reverse current	IRM 10 $\mu\text{A}$	VRRM, $T_J = 25^\circ\text{C}$	
Typical junction capacitance	CJ 16 pF	VR = 10V, $T_J = 25^\circ\text{C}$	

\*Pulse test: Pulse width 300  $\mu\text{sec}$ , Duty cycle 2%

Thermal and Mechanical Characteristics		
Storage temperature range	TSTG	-55°C to 175°C
Operating junction temp range	TJ	-55°C to 175°C
Maximum thermal resistance	R $\theta$ JL	25°C/W Junction to lead
Weight		.0047 ounces (.013 grams) typical



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05-08-07 Rev. 2

# UFS330 — UFS350

Figure 1  
Typical Forward Characteristics

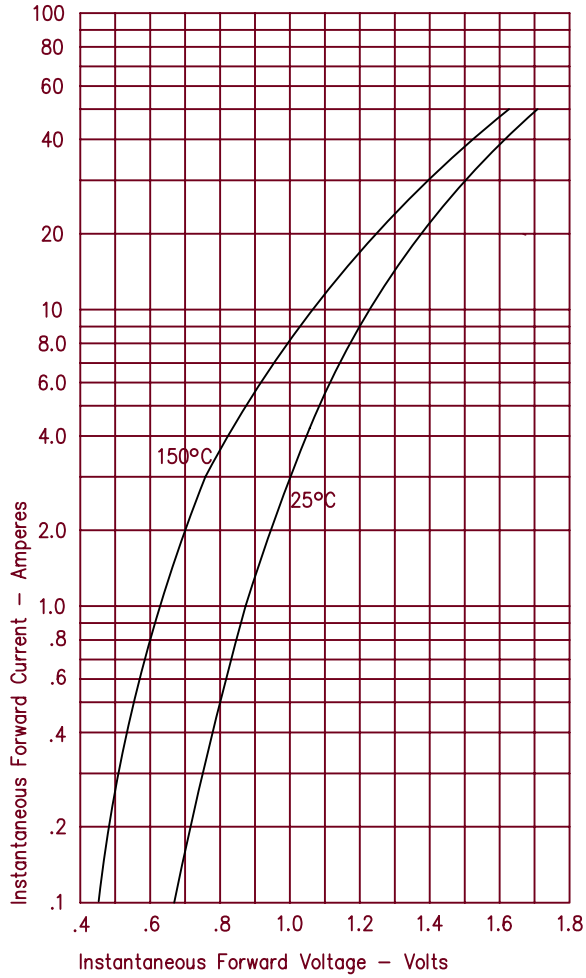


Figure 3  
Typical Junction Capacitance

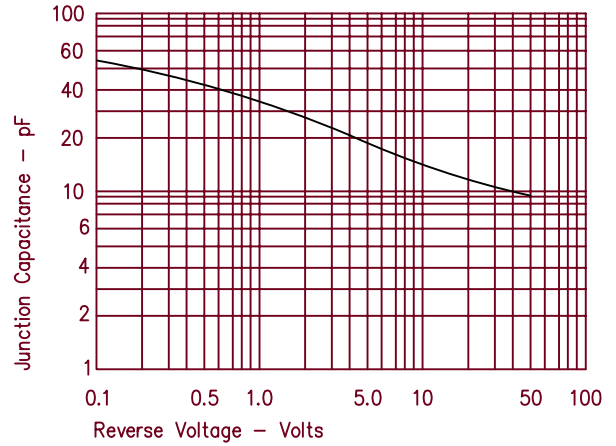


Figure 2  
Typical Reverse Characteristics

