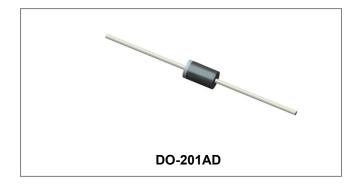


UF5404G

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UF5404G ULTRAFAST RECTIFIER



Features

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop, High Efficiency
- Low Power Loss
- Super Fast Recovery Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Circuit Diagram



Applications

- Switching Power Supply
- Power Switching Circuits
- General Purpose

Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	-	400	V
Average Rectified Forward Current	I _{F (AV)}	50% duty cycle @T _c =105°C, rectangular wave form	3	А
Peak One Cycle Non-Repetitive Surge Current	I _{FSM}	8.3ms, Half Sine pulse	45	А

Electrical Characteristics:

Characteristics	Symbol	Condition	Тур.	Max.	Units
Forward Voltage Drop*	V _{F1}	@ 3A, Pulse, T _J = 25°C	1.05	1.25	V
Reverse Current*	I _{R1}	$@V_R = rated V_R$ T _J = 25°C	0.01	10	μA
	I _{R2}	@V _R = rated V _R T _J = 100°C	-	100	μA
Reverse Recovery Time	t _{rr}	I_F =500mA, I_R =1A,and I_m =250mA	30	35	ns

* Pulse width < 300 µs, duty cycle < 2%

• China - Germany - Korea - Singapore - United States •

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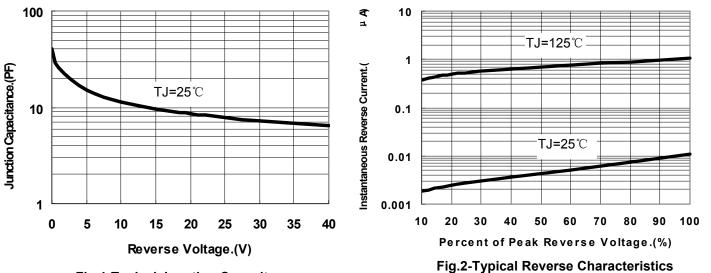
UF5404G

RoHS 🗭

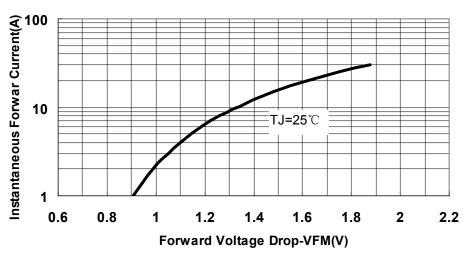
Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Junction Temperature	TJ	-	-55 to +150	°C
Storage Temperature	T _{stg}	-	-55 to +150	°C
Typical Thermal Resistance Junction to Case	$R_{ ext{ heta}Jc}$	DC operation	8	°C/W
Approximate Weight	wt	-	1.02	g
Case Style	DO-201AD			

Ratings and Characteristics Curves









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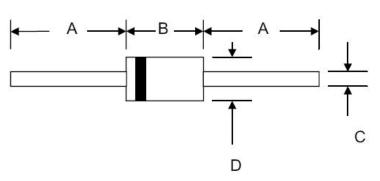


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UF5404G

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Mechanical Dimensions DO-201AD



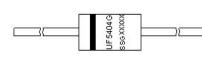
CVMD(Millimeters		Inches	
SYMBO	Mi	n. Ma	x. Min	. Max.	
А	25	.4 -	1.00	0 -	
В	8.5	0 9.5	0.33	5 0.374	
С	1.:	2 1.3	3 0.04	8 0.052	
D	5.0) 5.0	6 0.19	7 0.220	

Ordering Information

Device	Package	Shipping
UF5404G	DO-201AD	1250pag / tapa
UF5404G	(Pb-Free)	1250pcs / tape

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram



Where	XXXXX	is	YYWWL
vvncic	///////////////////////////////////////	10	1 1 0 0 0 0 0

UF5404G	= Part Name
SSG	= SSG
YY	= Year
\\/\\/	= Week

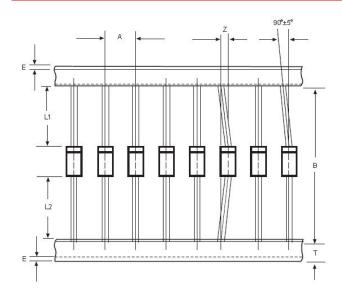
SSG ΥY ww

L

= Year	
= Week	

=	Lot	Num	ber

Carrier Tape Specification DO-201AD



SYMBOL	Millimeters			
STWIDOL	Min.	Max.		
А	9.50	10.50		
В	50.9	53.9		
Z	-	1.20		
Т	5.60	6.40		
E	-	0.80		
IL1-L2I	_	1.0		



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