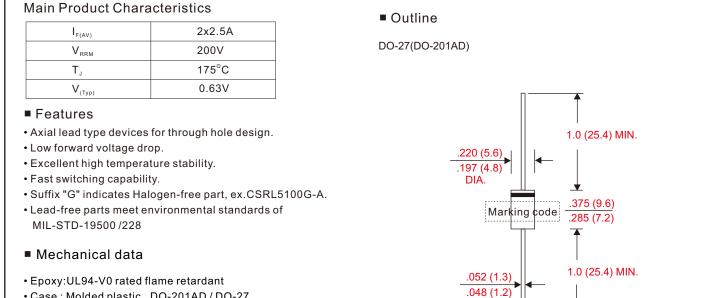


### **Chip Integration Technology Corporation**

# **CSRL5200-A**

Super Low Barrier High Voltage Power Rectifier



- Case : Molded plastic, DO-201AD / DO-27 • Lead : Axial leads, solderable per MIL-STD-202, Method 208 guranteed
- Polarity : Color band denotes cathode end
- Weight : Approximated 1.10 gram

#### Maximum ratings and electrical characteristics



DIA.

Dimensions in inches and (millimeters)

Parameter	Conditions	Symbol	CSRL5200-A		-A	
Marking code			CSRL5200			UNIT
Peak repetitive reverse voltage		V <sub>RRM</sub>				
Working peak reverse voltage		V <sub>RWM</sub>	200			V
DC blocking voltage		V <sub>RM</sub>				
Forward rectified current		I <sub>o</sub>	5			А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I <sub>fsm</sub>	150			А
Peak repetitive reverse surge current	2us - 1kHz	I <sub>RRM</sub>	1			А
Thermal resistance	Junction to case	$R_{_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	22		°C/W	
Operating and Storage temperature		$T_{J}, T_{stg}$	-55 ~ +175			°C
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward voltage drop	$I_{F} = 5A, T_{J} = 25^{\circ}C$	V <sub>F</sub>			860	
	$I_{F} = 5A, T_{J} = 125^{\circ}C$			630	700	mV
Reverse current	$V_{R} = V_{RRM} T_{J} = 25^{\circ}C$	- I <sub>R</sub>			0.1	mA
	$V = V = 125^{\circ}$				20	

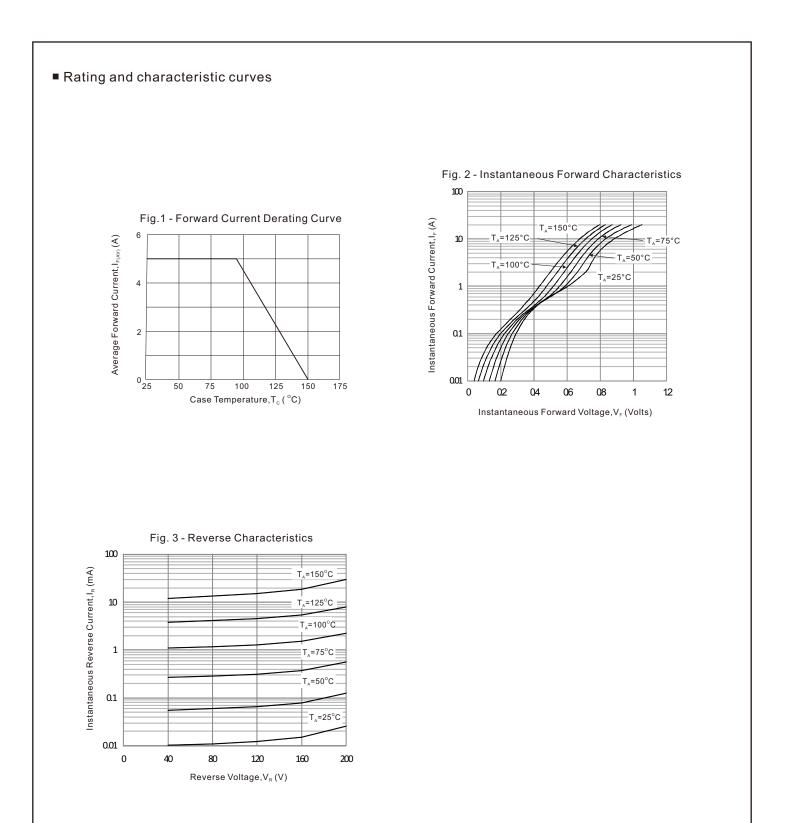
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 $V_{R} = V_{RRM} T_{J} = 125^{\circ}C$ 



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Super Low Barrier High Voltage Power Rectifier

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