

**FOR GENERAL SWITCHING APPLICATION  
SILICON EPITAXIAL TYPE(SERIES TYPE)**

**DESCRIPTION**

MC2835 is a super mini package plastic seal type silicon epitaxial type double diode, it is designed for general switching application.

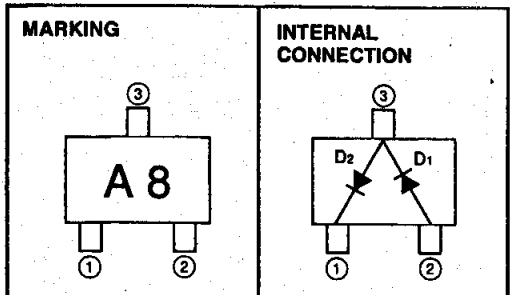
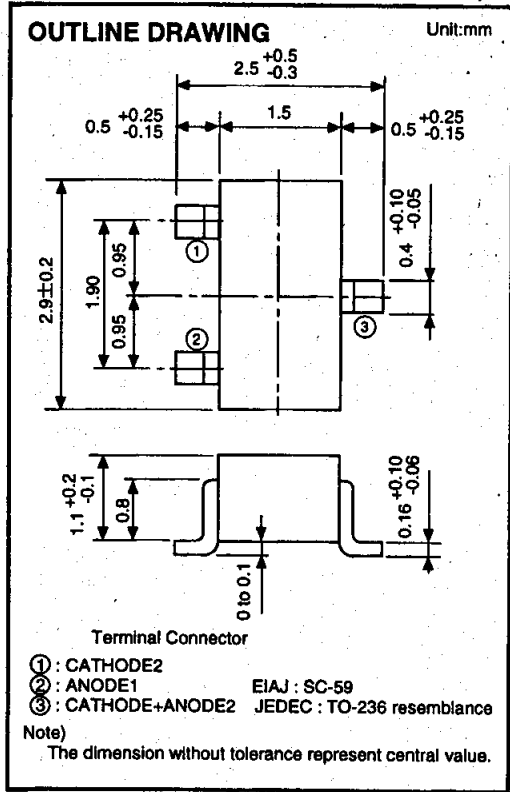
Double and small pin capacitance(2 pieces), suitable for protect circuit, bias circuit.

**FEATURE**

- Small pin capacitance
- Double and super mini package for mounting

**APPLICATION**

For general switching of audio machine, VCR.



**MAXIMUM RATINGS (Ta=25°C)**

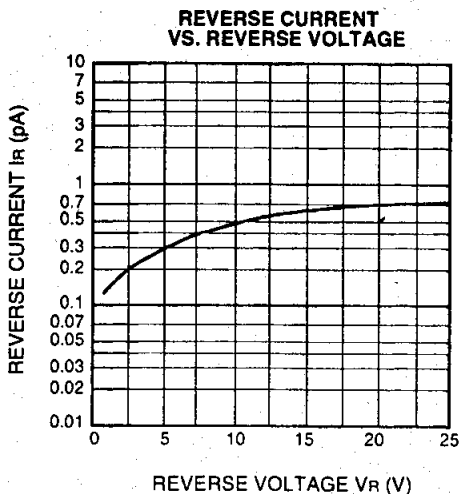
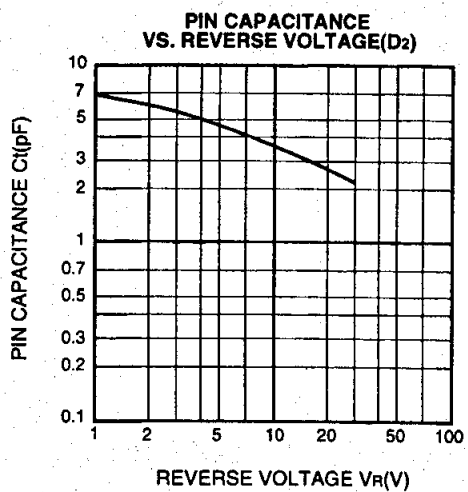
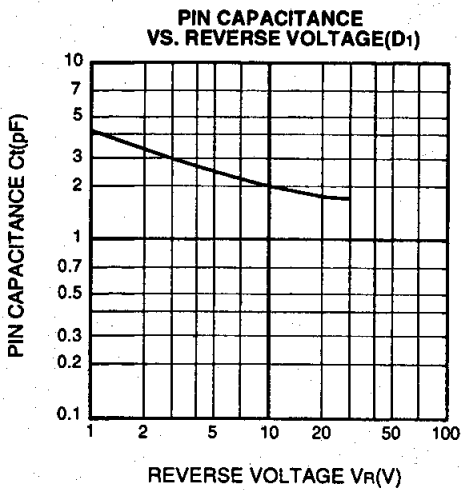
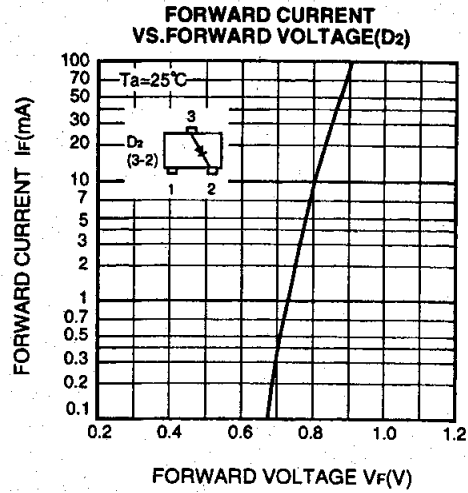
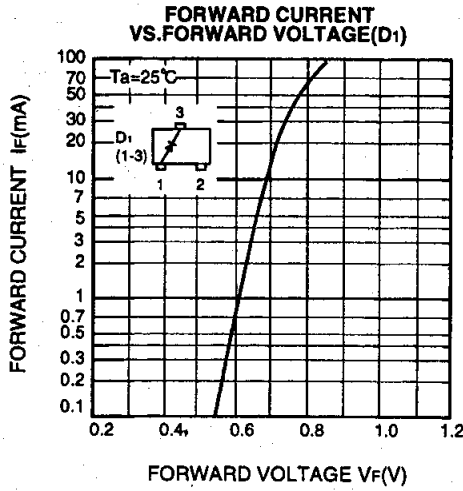
Symbol	Parameter	Ratings	Unit
V <sub>RM</sub>	Peak reverse voltage	35	V
V <sub>R</sub>	DC reverse voltage	30	V
I <sub>FSM</sub>	Surge current(1 μs)	4	A
I <sub>FM</sub>	Peak forward current	300	mA
I <sub>O</sub>	Average rectification current	100	mA
P <sub>T</sub>	Total allowable dissipation(Ta=25°C)	150	mW
T <sub>J</sub>	Junction temperature	+125	°C
T <sub>stg</sub>	Storage temperature	-55 to +125	°C

**ELECTRICAL CHARACTERISTICS (Ta=25°C)**

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V <sub>F1</sub>	Forward voltage	I <sub>F</sub> = 10mA		0.75	1.0	V
V <sub>F2</sub>	Forward voltage	I <sub>F</sub> = 50mA		0.85	1.2	V
V <sub>F3</sub>	Forward voltage	I <sub>F</sub> = 100mA		0.90	1.4	V
I <sub>R</sub>	Reverse current	V <sub>R</sub> = 30V			0.1	μA
C <sub>i</sub>	Pin capacitance	V <sub>R</sub> = 0, f = 1MHz		D <sub>1</sub> / 10 / 6D <sub>2</sub>		pF

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SILICON EPITAXIAL TYPE(SERIES TYPE)

TYPICAL CHARACTERISTICS



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The logo for IDC ISAHAYA ELECTRONICS CORPORATION. It features the letters 'IDC' in a stylized blue font with a red triangle above the 'I'. To the right of 'IDC', the words 'ISAHAYA ELECTRONICS CORPORATION' are written in a black, italicized, serif font.

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