

**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

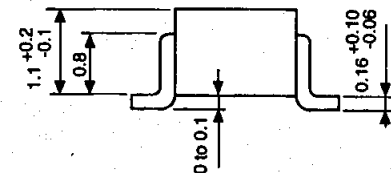
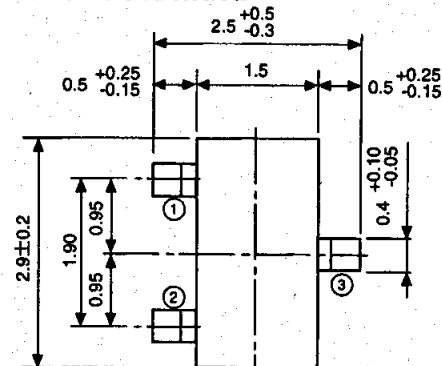
- Small pin capacitance
- Double and super mini package for mounting

APPLICATION

For general switching of audio machine, VCR.

OUTLINE DRAWING

Unit:mm

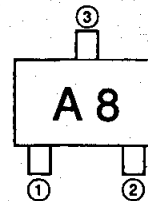


Terminal Connector

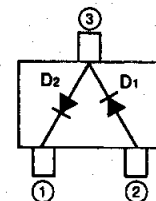
- ① : CATHODE2
 - ② : ANODE1
 - ③ : CATHODE+ANODE2
- EIAJ : SC-59
JEDEC : TO-236 resemblance

Note)
The dimension without tolerance represent central value.

MARKING



INTERNAL CONNECTION



MAXIMUM RATINGS (Ta=25°C)

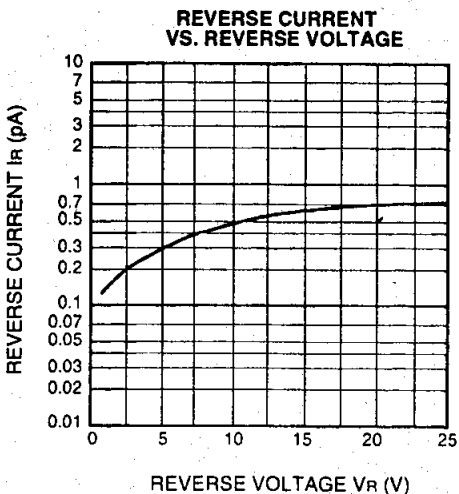
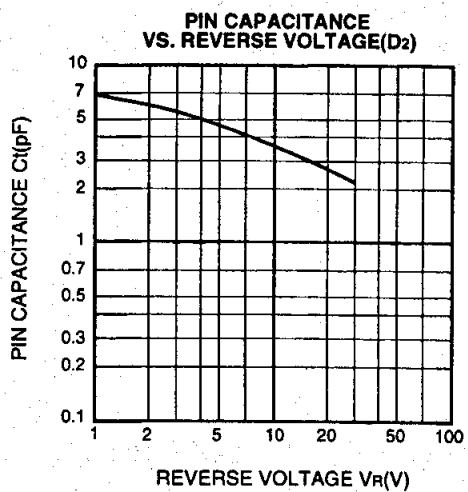
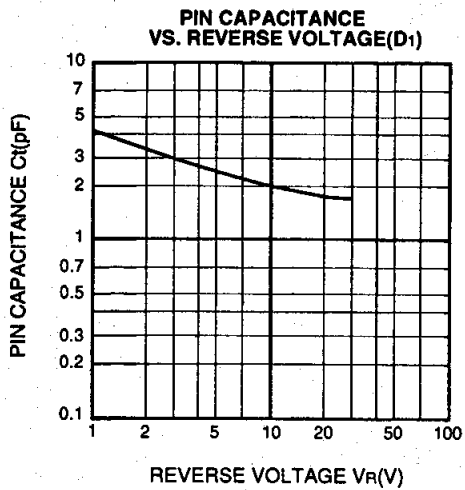
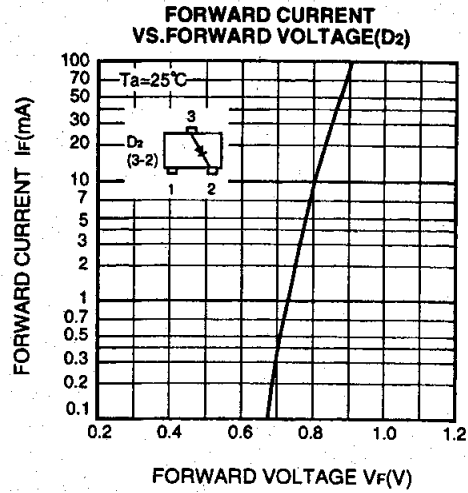
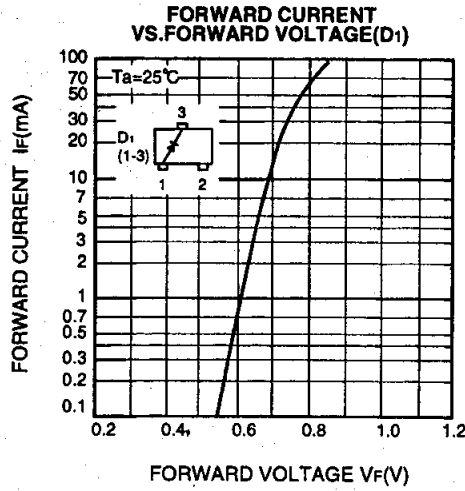
Symbol	Parameter	Ratings	Unit
V _{RM}	Peak reverse voltage	35	V
V _R	DC reverse voltage	30	V
I _{FSM}	Surge current(1 μs)	4	A
I _{FM}	Peak forward current	300	mA
I _O	Average rectification current	100	mA
P _T	Total allowable dissipation(Ta=25°C)	150	mW
T _J	Junction temperature	+125	°C
T _{stg}	Storage temperature	-55 to +125	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V _{F1}	Forward voltage	I _F = 10mA		0.75	1.0	V
V _{F2}	Forward voltage	I _F = 50mA		0.85	1.2	V
V _{F3}	Forward voltage	I _F = 100mA		0.90	1.4	V
I _R	Reverse current	V _R = 30V			0.1	μA
C _i	Pin capacitance	V _R = 0, f = 1MHz		D ₁ /10/6D ₂		pF

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TYPICAL CHARACTERISTICS



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.

<http://www.idc-com.co.jp>
6-41, TSUKUBA, ISAHAYA, NAGASAKI, 854-0065, JAPAN

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