MC2839

FOR GENERAL SWITCHING APPLICATION SILICON EPITAXIAL TYPE(SERIES TYPE)

DESCRIPTION

MC2839 is a super mini package plastic seal type silicon

epitaxial type double diode, especially designed for high speed switching

application.

Due to the small pin capacitance, Double and super mini package for mounting.

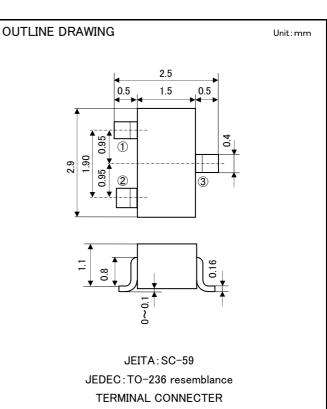
FEATURE

Small pin capacitance

- ●High voltage
- •Series connected two elements
- Good two element characteristics
- •Double and super mini package for mounting

APPLICATION

For general speed switching of audio machine, VTR.



ANODE1
CATHODE2
CATHODE1+ANODE2

Note)

The dimension without tolerance represent central value.

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Symbol	Parameter	Ratings	Unit	
V _{RM}	Peak reverse voltage	85	V	
V _R	DC reverse voltage	80	V	
I _{FM}	Peak forward current	300	mA	
Ι _ο	Average rectification current	100	mA	
I _{FSM}	Surge current(10msec)	2	А	
P _T	Total allowance dissipation(Ta=25°C)	150	mW	
Tj	Junction temperature	+125	°C	
T_{stg}	Storage temperature	-55 ~ +125	°C	

MAXIMUM RATINGS(Ta=25°C)

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ELECTRICAL CHARACTERISTICS(Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit
Farameter			Min	Тур	Max	Unit
	V _{F1}	I _F =1mA	I	0.75	1.0	v
Forward voltage	V_{F2}	I _F =50mA	I	0.85	1.2	
	V_{F3}	I _F =100mA	I	0.90	1.4	
Reverse current	I _{R1}	V _R =50V	-	-	0.1	μA
Pin capacitance	C _T	V _R =0V, f=1MHz	-	1.3	4.0	pF



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