

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

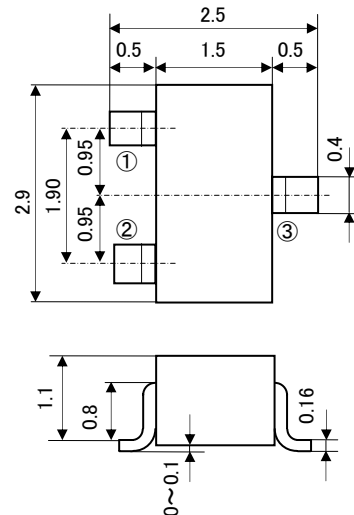
- Small pin capacitance
- High voltage
- Series connected two elements
- Good two element characteristics
- Double and super mini package for mounting

APPLICATION

For general speed switching of audio machine, VTR.

OUTLINE DRAWING

Unit: mm



JEITA: SC-59

JEDEC: TO-236 resemblance

TERMINAL CONNECTER

①: ANODE1

②: CATHODE2

③: CATHODE1+ANODE2

Note)

The dimension without tolerance represent central value.

MAXIMUM RATINGS(Ta=25°C)

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
I_O	Average rectification current	100	mA
I_{FSM}	Surge current(10msec)	2	A
P_T	Total allowance dissipation(Ta=25°C)	150	mW
T_j	Junction temperature	+125	°C
T_{stg}	Storage temperature	-55~+125	°C

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ELECTRICAL CHARACTERISTICS (T_a=25°C)

Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
Forward voltage	V _{F1}	I _F =1mA	—	0.75	1.0	V
	V _{F2}	I _F =50mA	—	0.85	1.2	
	V _{F3}	I _F =100mA	—	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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