

MC2845

FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

DESCRIPTION

MC2845 is a super mini package plastic seal type silicon epitaxial type double diode, especially designed for general switching application.

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

FEATURE

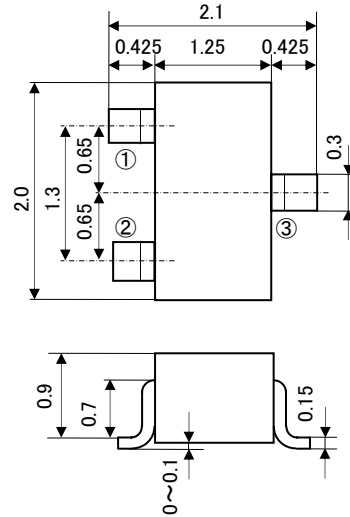
- Small pin capacitance
- Double and super mini package for mounting

APPLICATION

For general switching of audio machine, VTR.

OUTLINE DRAWING

Unit:mm



JEITA: SC-70

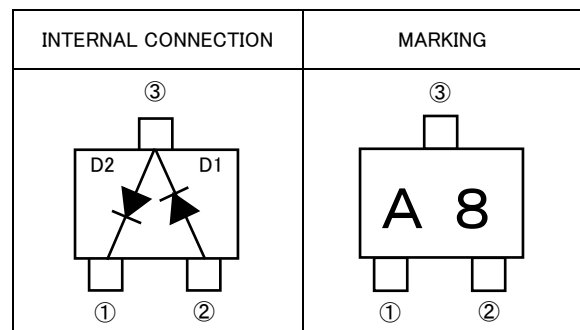
JEDEC: -

TERMINAL CONNECTER

- ①: CATHODE2
- ②: ANODE1
- ③: CATHODE1+ANODE2

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 μ s)	4	A
I_{FM}	Peak forward current	300	mA
I_O	Average rectification current	100	mA
P_T	Total allowance dissipation	200	mW
T_j	Junction temperature	+ 150	°C
T_{stg}	Storage temperature	-55 ~ + 150	°C



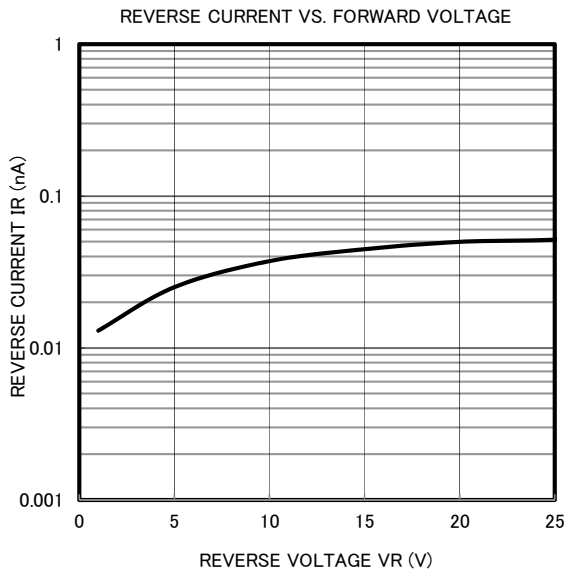
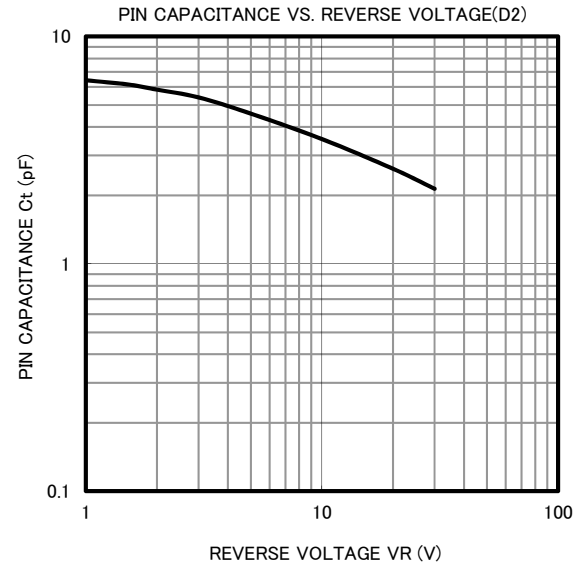
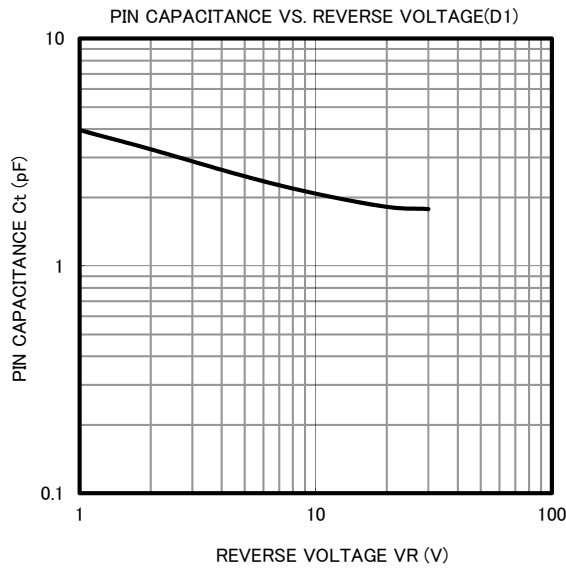
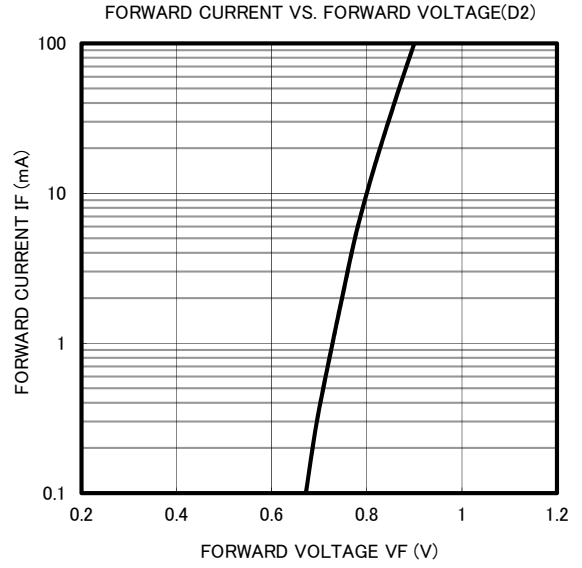
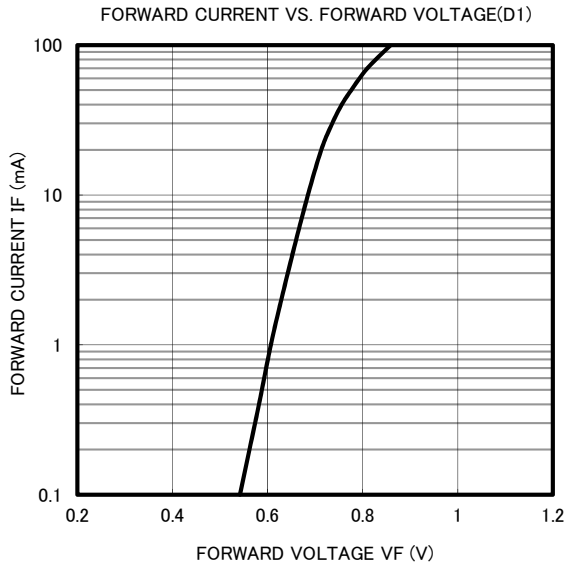
ELECTRICAL CHARACTERISTICS (Ta=25°C)

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}	$V_R=30V$	-	-	0.1	μ A	
Pin capacitance	C_t	$V_R=0V, f=1MHz$	D1	-	6	-	pF
			D2	-	10	-	

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FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

TYPICAL CHARACTERISTICS (Ta=25°C)





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