

# 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

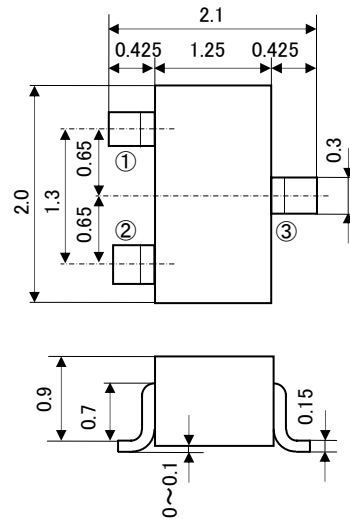
- Small pin capacitance
- Double and super mini package for mounting

## APPLICATION

For general switching of audio machine, VCR.

## OUTLINEDRAWING

Unit: mm



JEITA: SC-70

JEDEC: -

TERMINAL CONNECTER

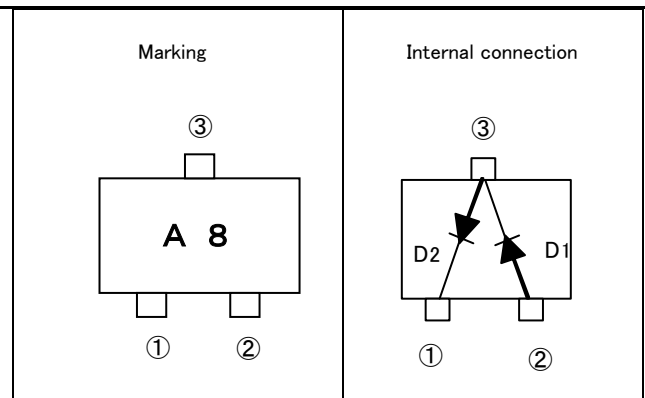
①: CATHODE 2

②: ANODE 1

③: CATHODE 1+ ANODE 2

## MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Rated	Unit
$V_{RM}$	Peak reverse voltage	35	V
$V_R$	DC reverse voltage	30	V
$I_{FSM}$	Surge current (1 $\mu$ s)	4	A
$I_{FM}$	Peak forward current	300	mA
$I_O$	Average rectification current	100	mA
$P_T$	Total allowance dissipation (Ta=25°C)	150	mW
$T_j$	Junction temperature	+125	°C
Tstg	Storage temperature	-55~+125	°C



< SMALL-SIGNAL DIODE >

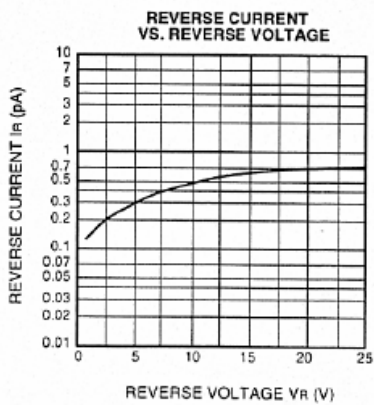
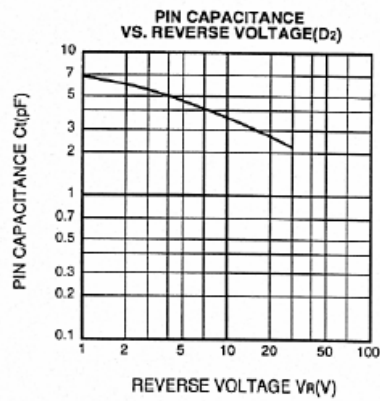
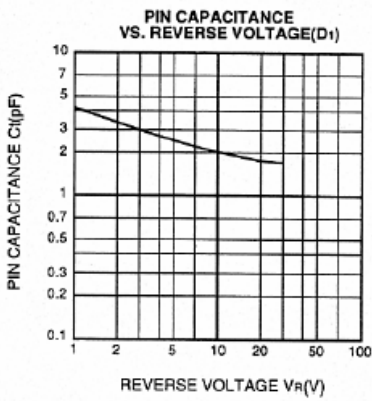
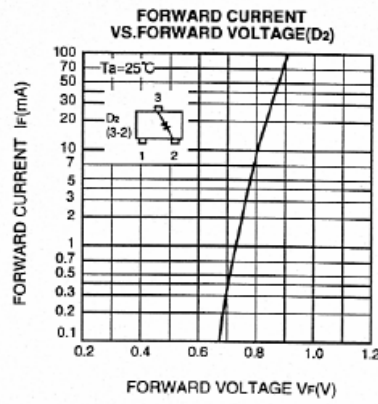
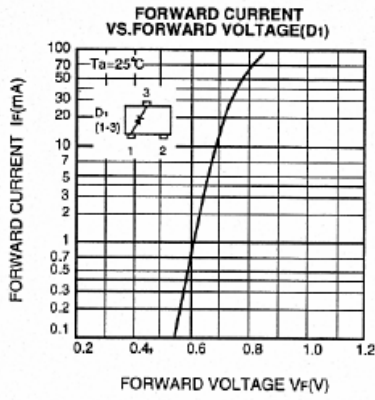
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SILICON EPITAXIAL TYPE(SERIES TYPE)

ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Test conditions	Limits			Unit	
			Min	Min	Min		
Forward voltage	$V_{F1}$	$I_F=10\text{mA}$	-	0.75	1.0	V	
	$V_{F2}$	$I_F=50\text{mA}$	-	0.85	1.2		
	$V_{F3}$	$I_F=100\text{mA}$	-	0.90	1.4		
Reverse current	$I_R$	$V_R=30\text{V}$	-	-	0.1	$\mu\text{A}$	
Pin capacitance	$C_t$	$V_R=0\text{V}, f=1\text{MHz}$	Tr1	-	6	-	pF
			Tr2	-	10	-	

TYPICAL CHARACTERISTICS





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**Keep safety first in your circuit designs!**

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