

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

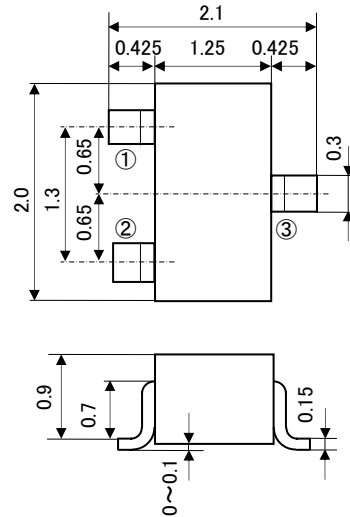
- Small pin capacitance
- Double and super mini package for mounting

APPLICATION

For general switching of audio machine, VCR.

OUTLINEDRAWING

Unit: mm



JEITA: SC-70

JEDEC: -

TERMINAL CONNECTER

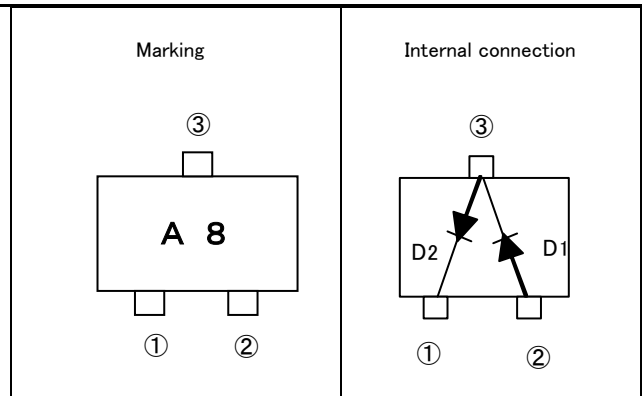
①: CATHODE 2

②: ANODE 1

③: CATHODE 1+ ANODE 2

MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	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 (Ta=25°C)	150	mW
T_j	Junction temperature	+125	°C
Tstg	Storage temperature	-55~+125	°C



< SMALL-SIGNAL DIODE >

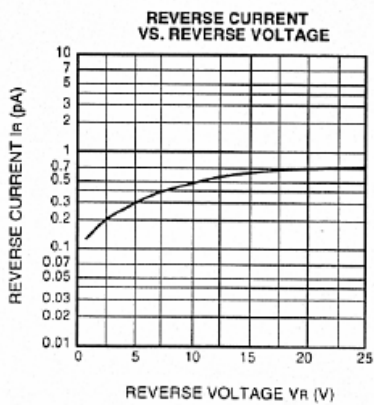
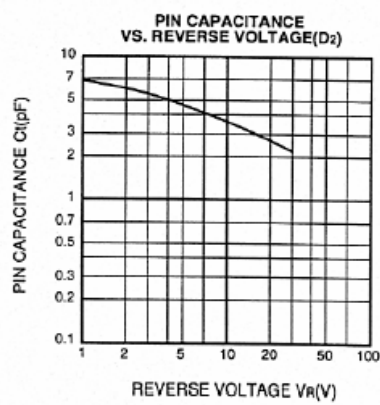
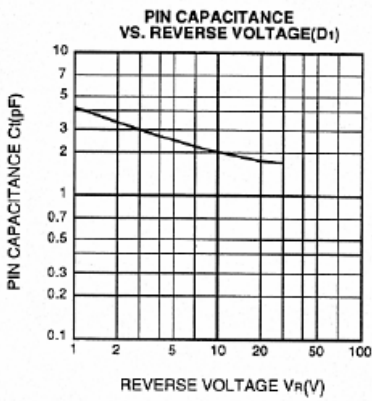
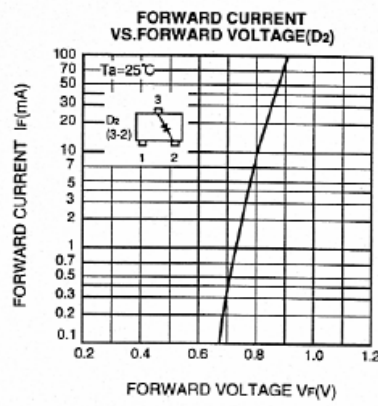
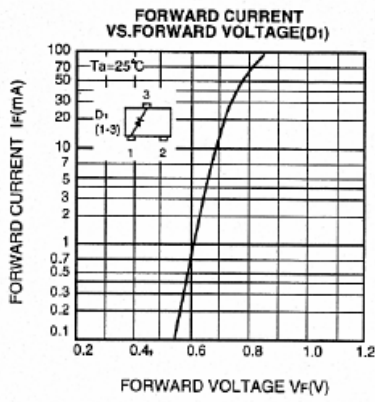
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ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

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	μA	
Pin capacitance	C_t	$V_R=0\text{V}, f=1\text{MHz}$	Tr1	-	6	-	pF
			Tr2	-	10	-	

TYPICAL CHARACTERISTICS





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