

MC2840

FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

DESCRIPTION

MC2840 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

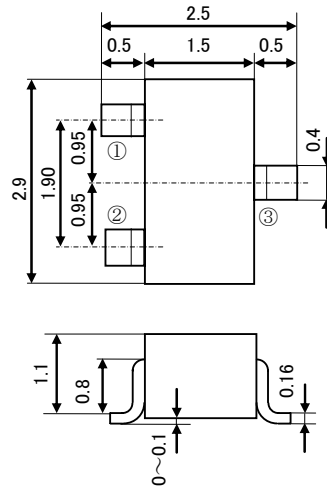
- Small pin capacitance
- Double and super mini package for mounting

APPLICATION

For general switching of audio machine, VCR.

OUTLINEDRAWING

Unit: mm



JEITA: SC-59

JEDEC: TO-236 resemblance

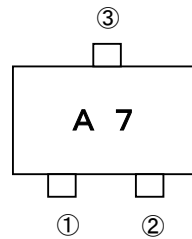
TERMINAL CONNECTER

- ①: ANODE 1
- ②: CATHODE 2
- ③: CATHODE 1+ ANODE 2

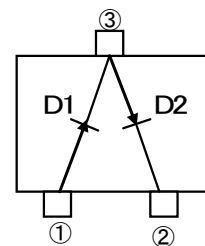
MAXIMUM RATINGS (Ta=25°C)

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)	200	mW
T_j	Junction temperature	+150	°C
Tstg	Storage temperature	-55 ~ +150	°C

Marking



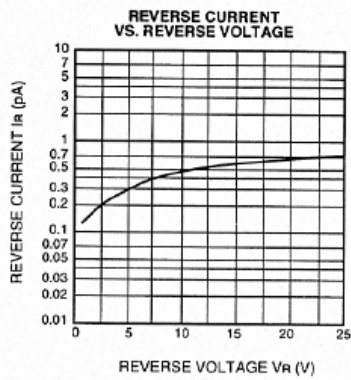
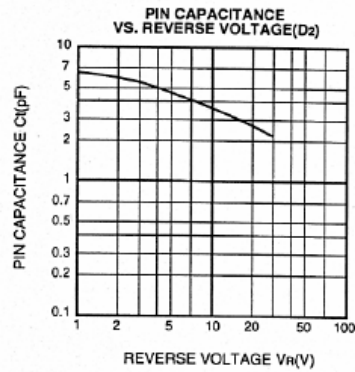
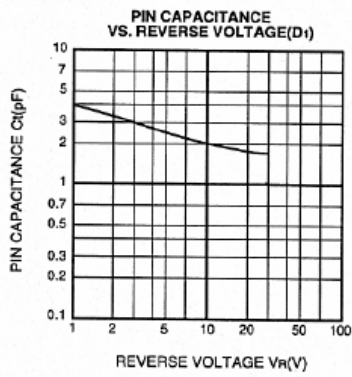
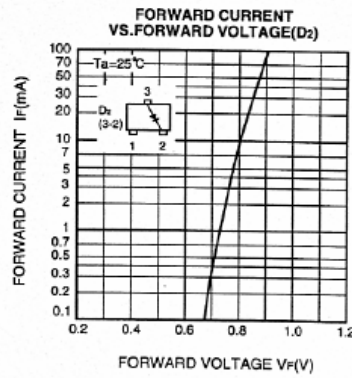
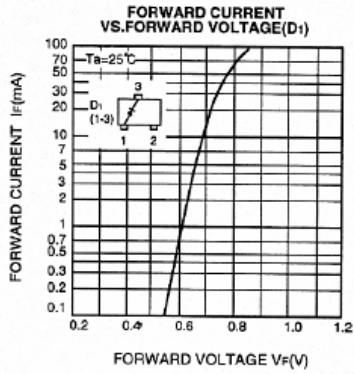
Internal connection



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit	
			Min	Min	Min		
Forward voltage	V _{F1}	I _F =10mA	-	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 _R	V _R =30V	-	-	0.1	μA	
Pin capacitance	C _t	V _R =0V, f=1MHz	Tr1	-	6	-	pF
			Tr2	-	10	-	

TYPICAL CHARACTERISTICS





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