

MC2840-T150

FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

AEC-Q101 Compliance

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

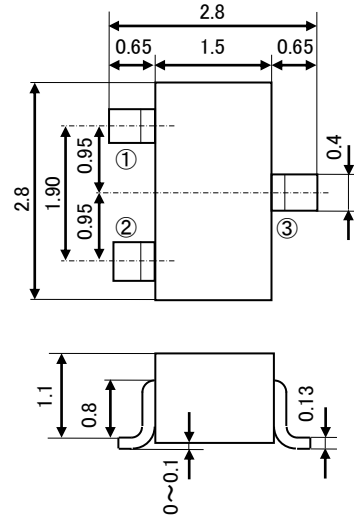
- Small pin capacitance
- Double and super mini package for mounting

APPLICATION

For general switching of audio machine, VTR

OUTLINE DRAWING

Unit:mm



JEITA: SC-59

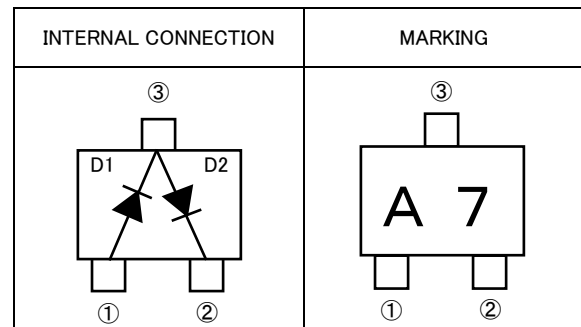
JEDEC: Similar to TO-236

TERMINAL CONNECTER

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

MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Peak reverse voltage	V_{RM}	35	V
DC reverse voltage	V_R	30	V
Surge current(1 μ s)	I_{FSM}	4	A
Peak forward current	I_{FM}	300	mA
Average rectification current	I_O	100	mA
Total allowance dissipation	P_T	200	mW
Junction temperature	T_j	+150	°C
Storage temperature	T_{stg}	-55 ~ +150	°C



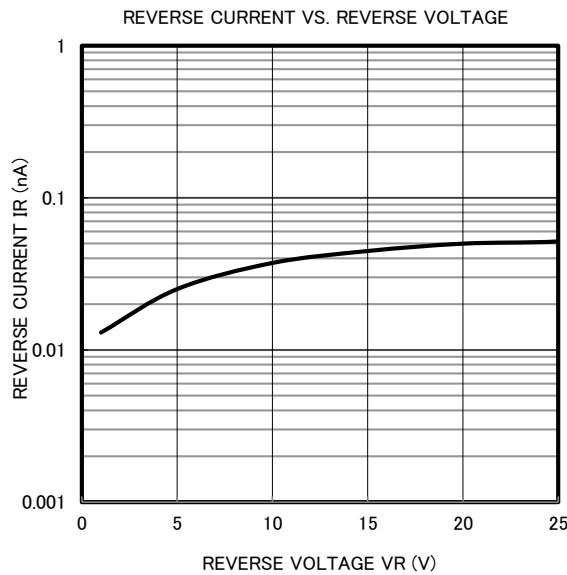
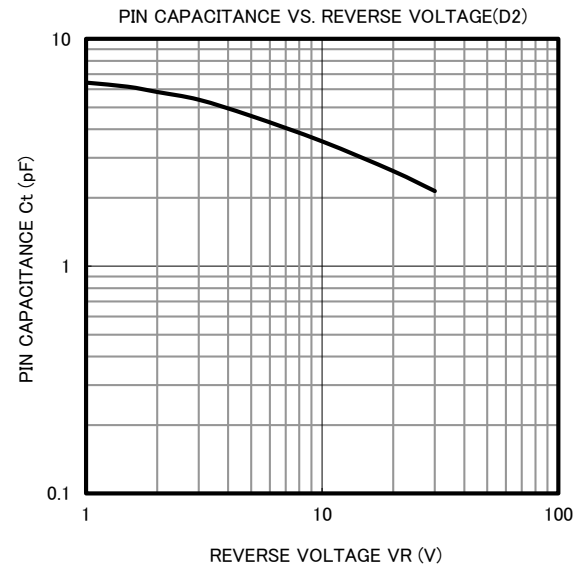
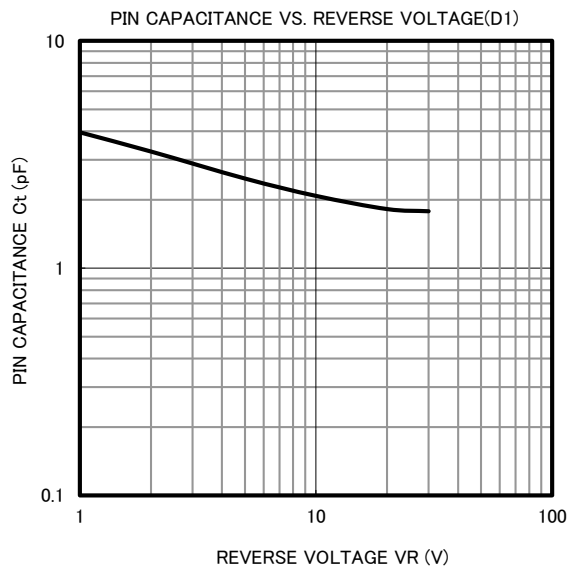
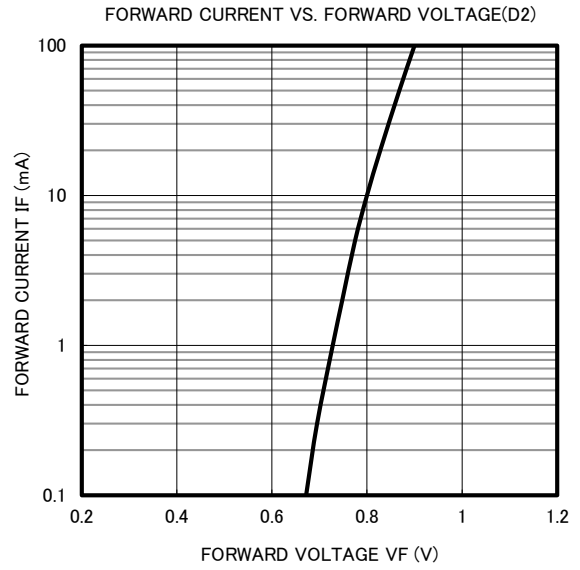
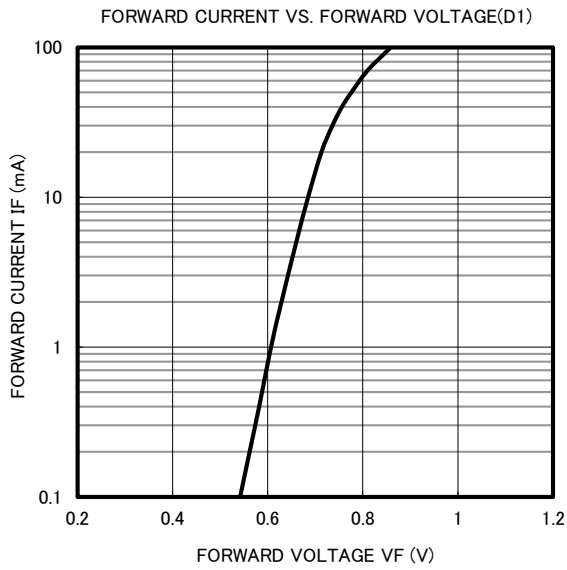
ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit	
			Min	Typ	Max		
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_{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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SILICON EPITAXIAL TYPE(SERIES TYPE)

TYPICAL CHARACTERISTICS (Ta=25°C)



Keep safety first in your circuit designs!

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