

# MC2850-T150

FOR GENERAL SWITCHING APPLICATION  
SILICON EPITAXIAL TYPE(SERIES TYPE)

AEC-Q101 Compliance

## DESCRIPTION

MC2850 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

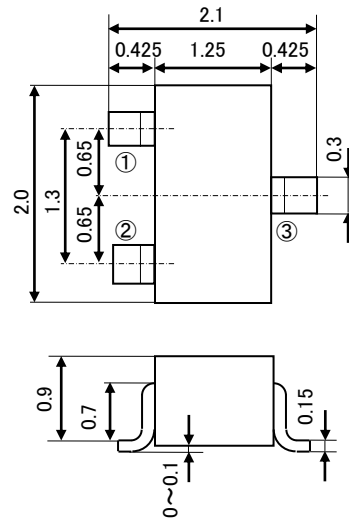
- Small pin capacitance
- Double and super mini package for mounting

## APPLICATION

For general switching of audio machine, VTR.

## OUTLINE DRAWING

Unit:mm



JEITA: SC-70

JEDEC: -

TERMINAL CONNECTER

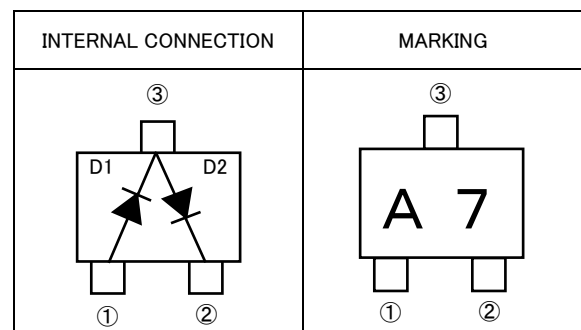
①: ANODE1

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



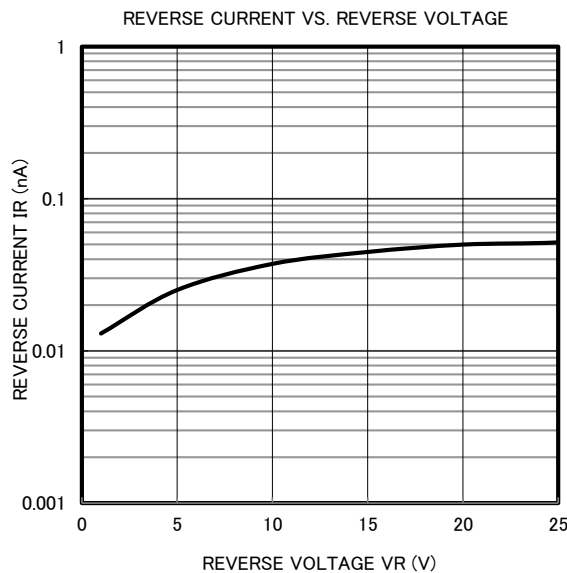
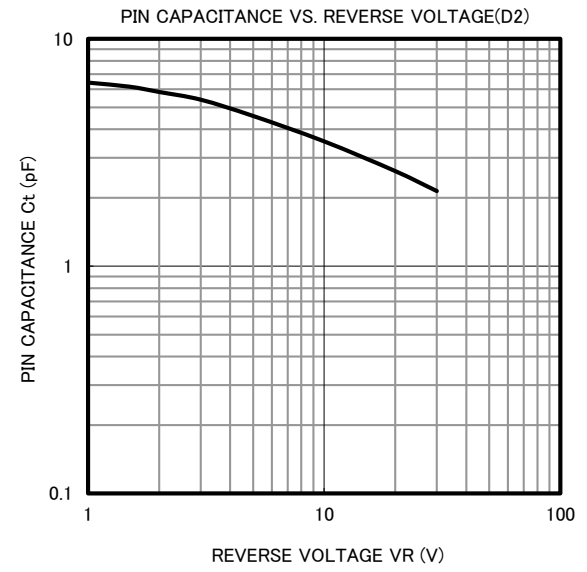
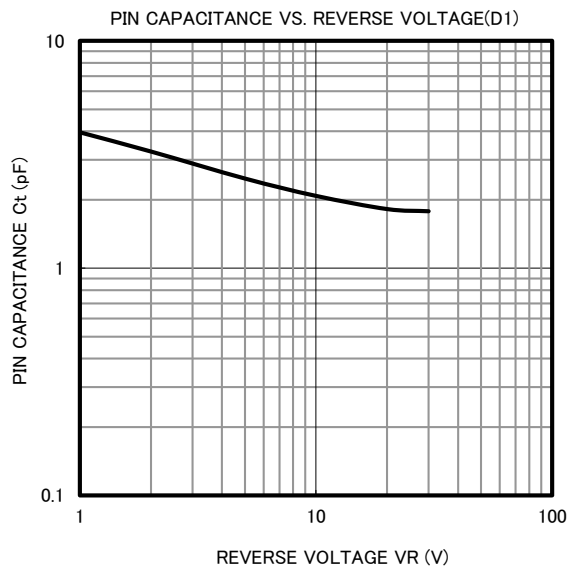
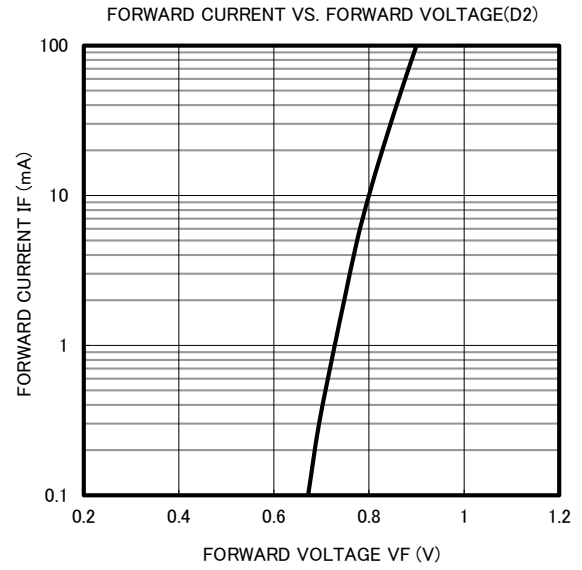
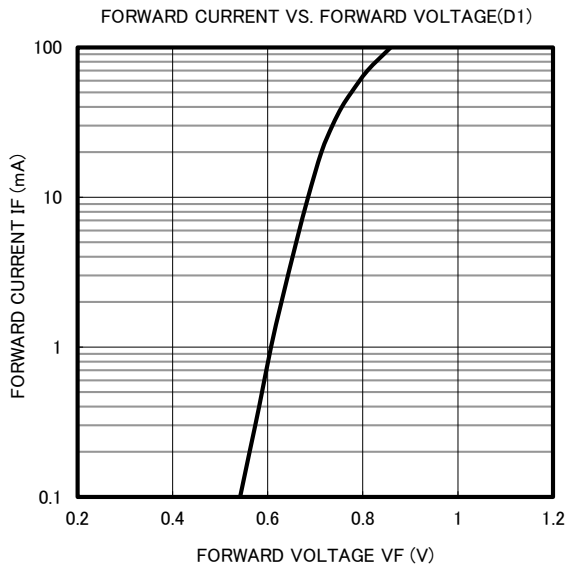
## ELECTRICAL CHARACTERISTICS (Ta=25°C)

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	$\mu$ A	
Pin capacitance	$C_t$	$V_R=0V, f=1MHz$	D1	-	6	-	pF
			D2	-	10	-	

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



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

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