

**PRELIMINARY**

Notice: This is not a final specification  
Some parametric are subject to change.

**RT3DSSM**

FOR HIGH SPEED SWITCHING APPLICATION  
SILICON EPITAXIAL TYPE(SERIES TYPE)

**DESCRIPTION**

RT3DSSM is a super mini package plastic seal type silicon epitaxial type composite diode, built with two Series type MC2840.

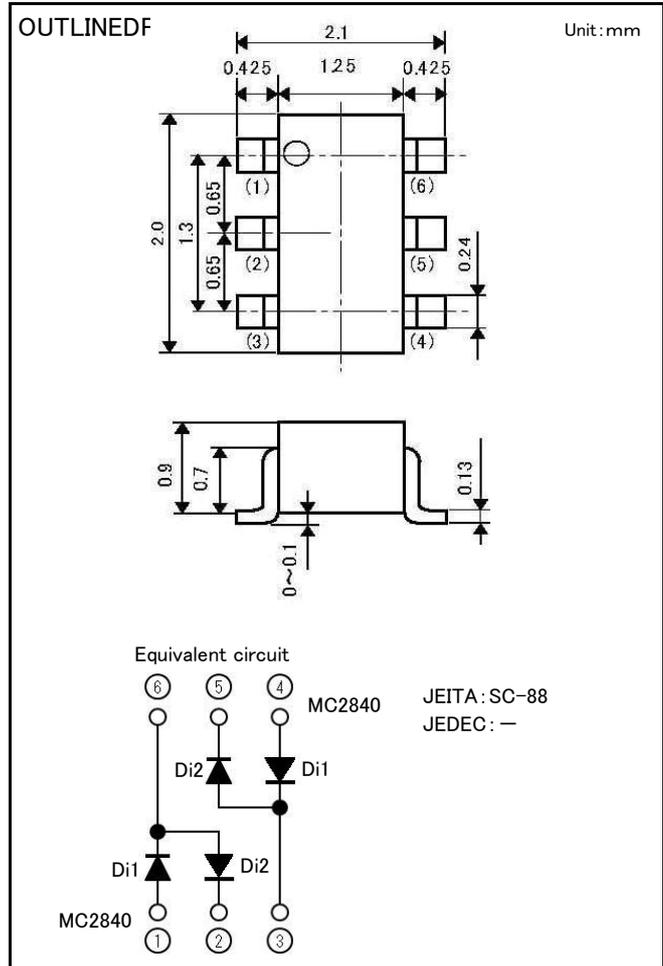
Quadruple and small pin capacitance (4 pieces), suitable for protect circuit, bias circuit.

**FEATURE**

- Small pin capacitance
- Quadruple diodes and super mini package for mounting

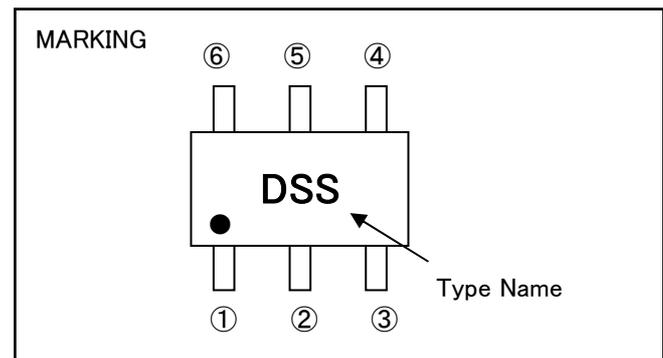
**APPLICATION**

For general high speed switching of audio machine,VTR.



**MAXIMUM RATINGS (Ta=25°C) (Di1,Di2 COMMON)**

Symbol	Parameter	Ratings	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	200	mW
$T_j$	Junction temperature	+150	°C
$T_{stg}$	Storage temperature	-55~+150	°C



**ELECTRICAL CHARACTERISTICS (Ta=25°C) (Di1,Di2 COMMON)**

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	$I_R$	$V_R=30V$	-	-	0.1	$\mu$ A	
Pin capacitance	$C_t$	$V_R=0V, f=1MHz$	Di1	-	6	-	pF
			Di2	-	10	-	

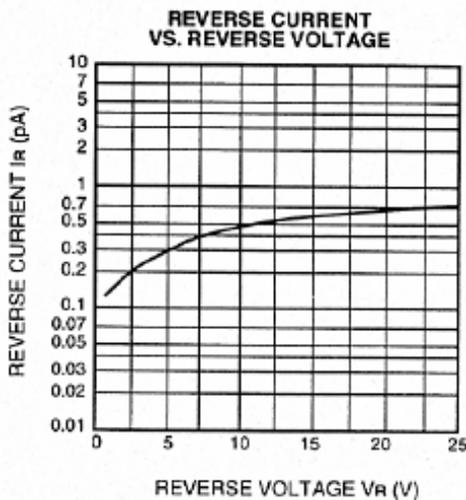
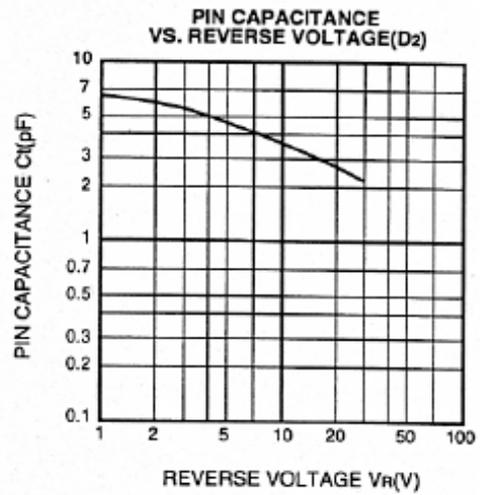
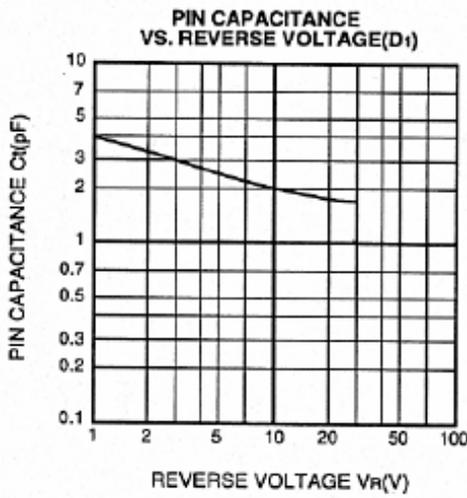
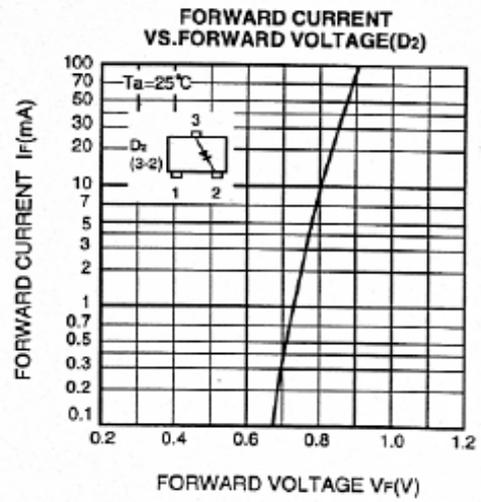
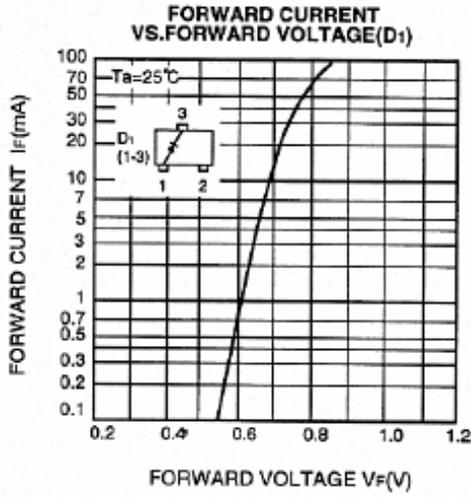
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SILICON EPITAXIAL TYPE(SERIES TYPE)

MC2840 TYPICAL CHARACTERISTICS





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