PRELIMINARY

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

RT3DKKM

FOR HIGH SPEED SWITCHING APPLICATION SILICON EPITAXIAL TYPE(CATHODE COMMON)

DESCRIPTION

RT3DKKM is a super mini package plastic seal type silicon epitaxial type composite diode, built with two Cathode common MC2838.

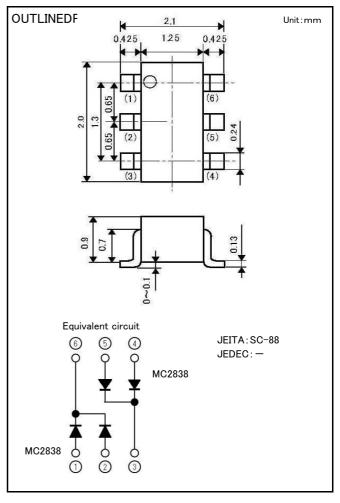
Due to the small pin capacitance, short switching time(reverse recovery time), It is most suitable for high speed switching application and limitter, clipper application.

FEATURE

- Small pin capacitance
- Quick switching time
- High voltage
- Quadruple diodes and super mini package for mounting

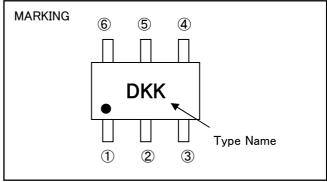
APPLICATION

For general high speed switching of audio machine, VTR.



MAXIMUM RATINGS (Ta=25°C) (All Di COMMON)

Symbol	Parameter	Ratings	Unit	
V_{RM}	Peak reverse voltage	85	V	
V_R	DC reverse voltage	80	٧	
I _{FSM}	Surge current (1 μ s)	4	Α	
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	
Tstg	Storage temperature	-55 ~ +150	°C	



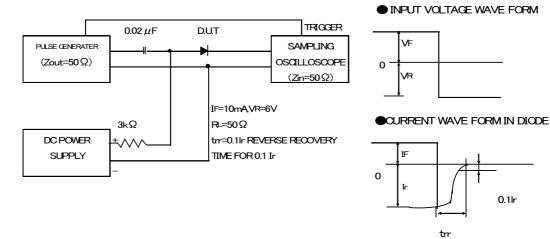
ELECTRICAL CHARACTERISTICS (Ta=25°C) (All Di COMMON)

Parameter	Symbol	Test conditions	Limits			Uniit
Parameter			Min	Тур	Max	Unlit
	V_{F1}	I _F =10mA	-	0.72	0.9	٧
Forward voltage	V_{F2}	I _F =50mA	-	085	1.0	
	V_{F3}	I _F =100mA	-	0.90	1.2	
Reverse current	I _{R1}	V _R =75V	-	-	0.1	μΑ
Reverse current	I _{R2}	V _R =80V	-	-	0.5	
Pin capacitance	C _t	V _R =0V, f=1MHz	-	1.3	4.0	pF
Reverse recovery time	trr	(Refer to test circuit)	-	_	3.0	ns

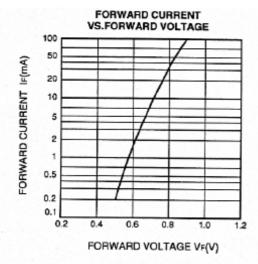
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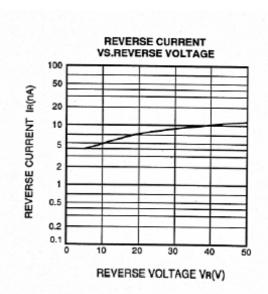
FOR HIGH SPEED SWITCHING APPLICATION SILICON EPITAXIAL TYPE(CATHODE COMMON)

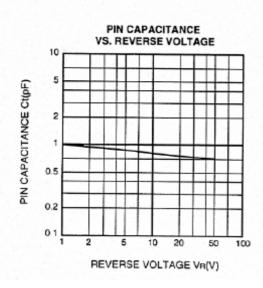
MC2838 Reverse recovery time (trr) test circuit

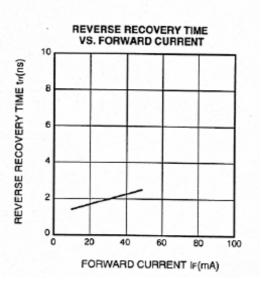


MC2838 TYPACAL CHARACTERISTICS











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