RT3J11M

Composite Transistor For high speed switching Silicon P-channel MOSFET

DESCRIPTION

RT3J11M is a composite transistor built with two INJ0001AX chips in SC-88 package.

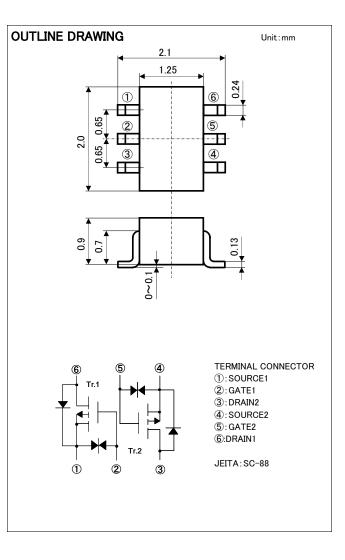
FEATURE

 $\mbox{\cdot} Input$ impedance is high, and not necessary to consider a drive

- electric current.
- •Drive voltage -2.5V
- ·Low on Resistance. RON=7 $\Omega\left(\mathsf{TYP}\right)$
- •High speed switching.
- •Small package for easy mounting.

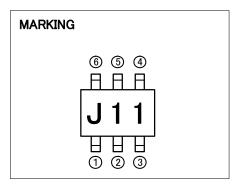
APPLICATION

High speed switching , Analog switching



MAXIMUM RATING (Ta=25°C) (Tr1,Tr2 Common)

SYMBOL	PARAMETER	RATING	UNIT
Vdss	Drain-source voltage	-50	V
Vgss	Gate-source voltage	±8	V
ID	Drain current(DC)	-100	mA
I DP	Drain current(Pulse)	-400(※1)	mA
PD	Total power dissipation	150	mW
Tch	Channel temperature	+150	°
Tstg	Range of Storage temperature	-55 ~ +150	°C

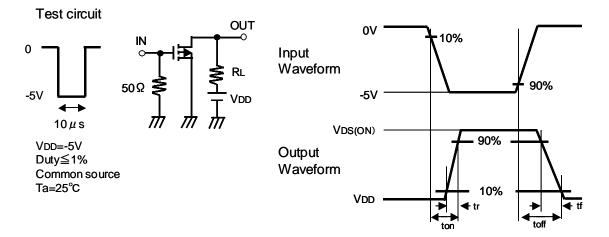


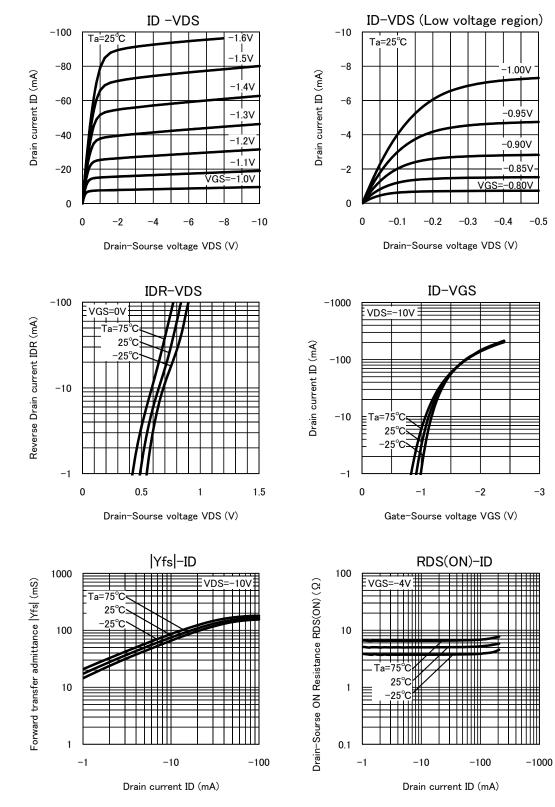
 $1: Pw \leq 10 \mu s$, Duty cycle $\leq 1\%$

ELECTRICAL CHARACTERISTICS (Ta=25°C) (Tr1,Tr2 Common)

SYMBOL	PARAMETER	TEST CONDITION	LIMIT			
			MIN	TYP	MAX	UNIT
V(BR)DSS	Drain-source breakdown voltage	ID=-100µA, VGS=0V	-50	-	-	V
Igss	Gate-source leak current	Vgs= \pm 5V, Vds=0V	-	-	±0.5	μA
Idss	Zero gate voltage drain current	Vds=-50V, Vgs=0V	-	-	-1.0	μA
Vth	Gate threshold voltage	ID=-250µA, VDS=VGS	-0.6	-	-1.2	V
Yfs	Forward transfer admittance	VDS=-10V, ID=-0.1A	-	220	-	mS
RDS(ON)	Static drain-source on-state resistance	ID=-100mA, VGs=-4.0V	-	7.0	-	Ω
Ciss	Input capacitance			28	-	
Coss	Output capacitance	VDS=-10V, VGS=0V, f=1MHz	-	5.2	-	pF
ton	Quita bin a time	VDD=-5V, ID=-10mA	-	13	-	
toff	Switching time	VGS=0~-5V	-	135	_	ns

Switching time test condition



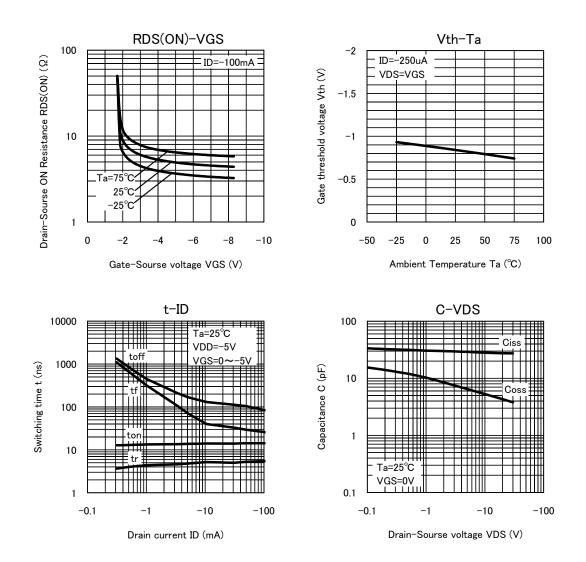


TYPICAL CHARACTERISTICS (Tr1,Tr2 Common)

ISAHAYA ELECTRONICS CORPORATION

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ISAHAYA ELECTRONICS CORPORATION

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