FOR LOW FREQUENCY AMPLIFY APPLICATION P CHANNEL JUNCTION TYPE

DESCRIPTION

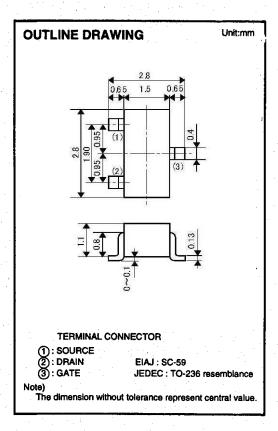
2SJ125 is a small type resin sealed P channel junction type FET. It is especially designed for low frequency voltage amplify, analog switch application.

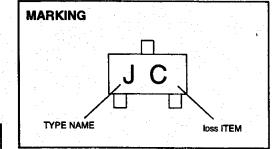
FEATURE

- Small type for mounting.
- ●High lyfsl | lyfsl = 4mS (typ)
- ●Low RDS(ON) RDS(ON)=220 Ω

APPLICATION

General purpose voltage amplify, analog switch circuit for stereo, cassette deck, VCR.





MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
VGDO	Gate to Drain voltage	50	· V
lg	Gate Current	-10	mA
Рт	Total allowable dissipation (Ta = 25 °C)	150	mW
Tch	Channel temperature	+125	°C
Tstg	Storage temperature	-55 to +125	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

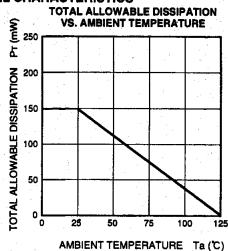
Symbol	Parameter	Test conditions		Limits		
				Тур	Max	Unit
V(BR)GDO	G to D break down voltage	Ig =10 μA, Is=0	50			٧
lgss	Gate leakage current	Vgs = 30V, Vos=0			1	nA
IDSS #	Drain current	Vps =-10V, Vgs=0	-1.0	-4.0	-12	mA
VGS (off)	Cut off voltage	VDS =-10V, ID= -10 μ A	0.3	1.5	6.0	V
lyfs l	Forward transfer admittance	VDS =-10V, VGS=0, f=1kHz		4.0		mS
Ciss	Input capacitance	Vps =-10V, Vgs=0, f=1MHz		18		pF
RDS(ON)	Drain to source resistor	Vps =10mVrms(1kHz), Vgs=0, lpss=5mA		220		Ω

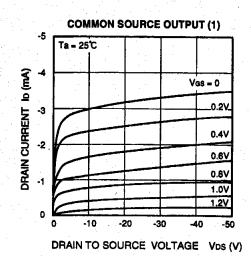
^{* :} It shows loss classification in right table.

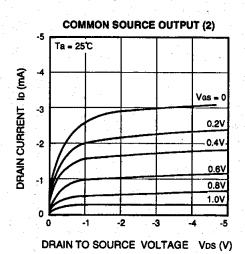
Item	С	D .	Ε
IDSS (mA)	1.0 to 3.0	2.5 to 6.0	5.0 to 12

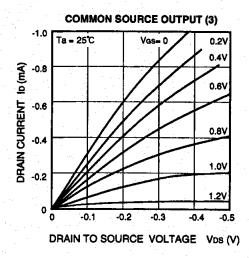
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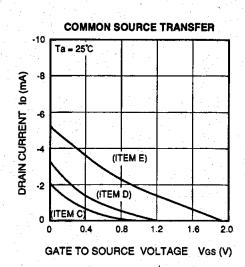
TYPICAL CHARACTERISTICS

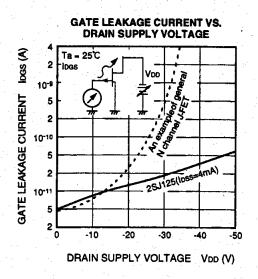




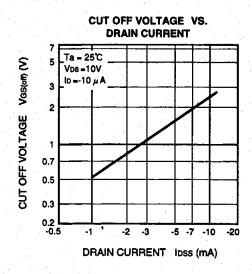


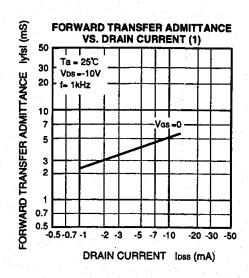


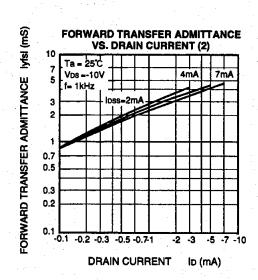


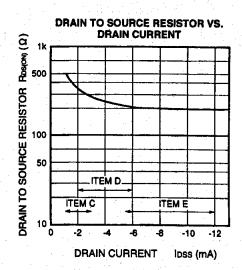


FOR LOW FREQUENCY AMPLIFY APPLICATION P CHANNEL JUNCTION TYPE

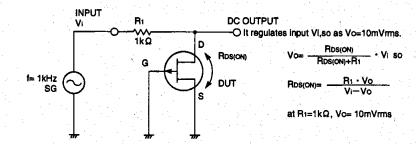








DRAIN TO SOURCE RESISTOR RDS(ON) TEST CIRCUIT





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