For Low Frequency Amplify Application P Channel Junction type MIcro(Frame type)

# DESCRIPTION

2SJ498 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 | yfs|

|yfs |=4mS(typ)

· Low RDS(ON)

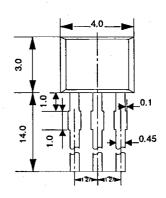
RDs(ON)=220  $\Omega$  (typ)

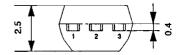
# **APPLICATION**

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

### **OUTLINE DRAWING**

UNIT:mm





## **TERMINAL CONNECTOR**

①: SOURCE ②: GATE ③: DRAIN

EIAJ: JEDEC :-

MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNIT	
Vgdo	Gate to Drain voltage	50	V	
l G	Gate current	-10	mA	
Рт	Total allowable dissipation	450	mW	
Tch	Channel temperature	+125	°C	
Tstg	Storage temperature	-55to+125	°C	

# ELECTRICAL CHARACTERISTICS (Ta=25°C)

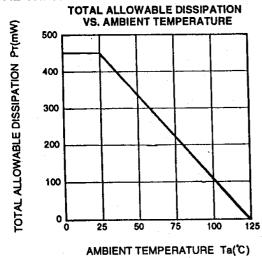
	PARAMETER	TEATONISTICNO	LIMITS			LINUT
SYMBOL		TESTCONDITIONS	MIN	TYP	MAX	UNIT
V(BR)GDO	G to D break down voltage	G=10 μ A,   S=0	50			V
l GSS	Gate leakage current	Vgs=30V, Vps=0			1	nA
IDSS *	Drain current	VDs=-10V, VGs=0	-0.6	-4.0	-12	mA
VGS(off)	Cut off voltage	VDS=-10V, I D=-10 µ A	0.2	1.5	6	V
yis	Forward transfer admittance	Vps=-10V, Vgs=0, f=1kHz	1.5	4		mS
Ciss	Input capacitance	VDs=-10V, VGs=0, f=1MHz		18		рF
RDS(ON)	Drain to Sourse resistor	VDS=10mVrms(1kHz), VGS=0, I DSS=5mA		220		Ω

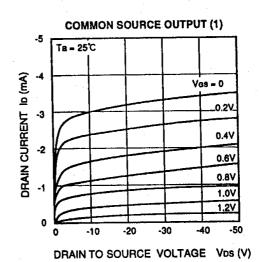
ITEM	В	O	D	E
l dss	0.6~1.5	1.0~3.0	2.5~6.0	5.0~12

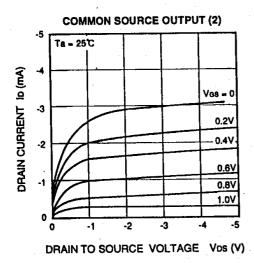
# **2SJ498**

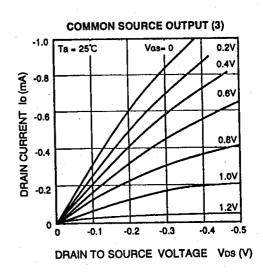
For Low Frequency Amplify Application
P Channel Junction type Mlcro(Frame type)

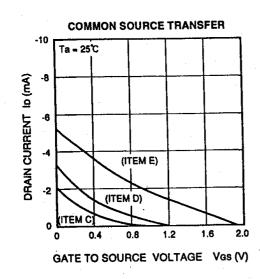
# TYPICAL CHARACTERISTICS

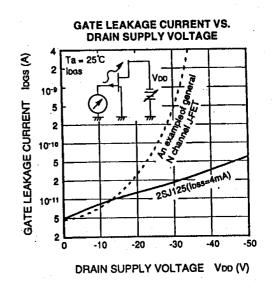






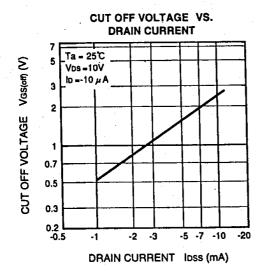


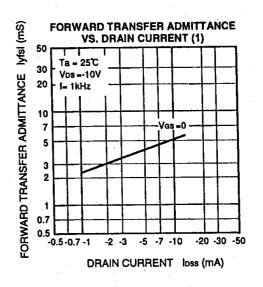


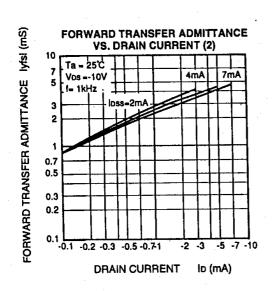


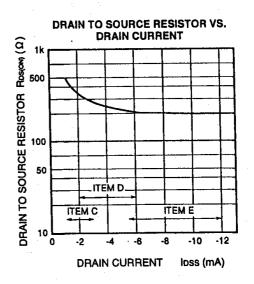
# **2SJ498**

For Low Frequency Amplify Application P Channel Junction type Micro(Frame type)

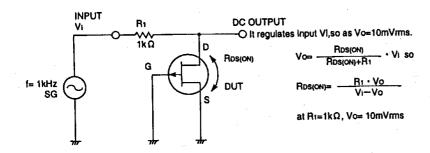








### DRAIN TO SOURCE RESISTOR RDS(ON) TEST CIRCUIT





http://www.idc-com.co.jp 6-41, TSUKUBA, ISAHAYA, NAGASAKI, 854-0065, JAPAN

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