unit: mm

0.15+0.10

2SK0662 (2SK662)

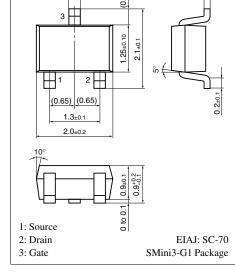
Silicon N-Channel Junction FET

For low-frequency amplification

Features

- High mutual conductance g_m
- Low noise type
- S-mini type package, allowing downsizing of the sets and automatic insertion through the tape/magazine packing.

■ Absolute Maximum Ratings (Ta = 25°C)						
Parameter	Symbol	Ratings	Unit			
Drain to Source voltage	V _{DSX}	30	V			
Gate to Drain voltage	V _{GDO}	-30	V			
Drain current	I _D	20	mA			
Gate current	I _G	10	mA			
Allowable power dissipation	P _D	150	mW			
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			



0.3+0.1

Marking Symbol (Example): 10

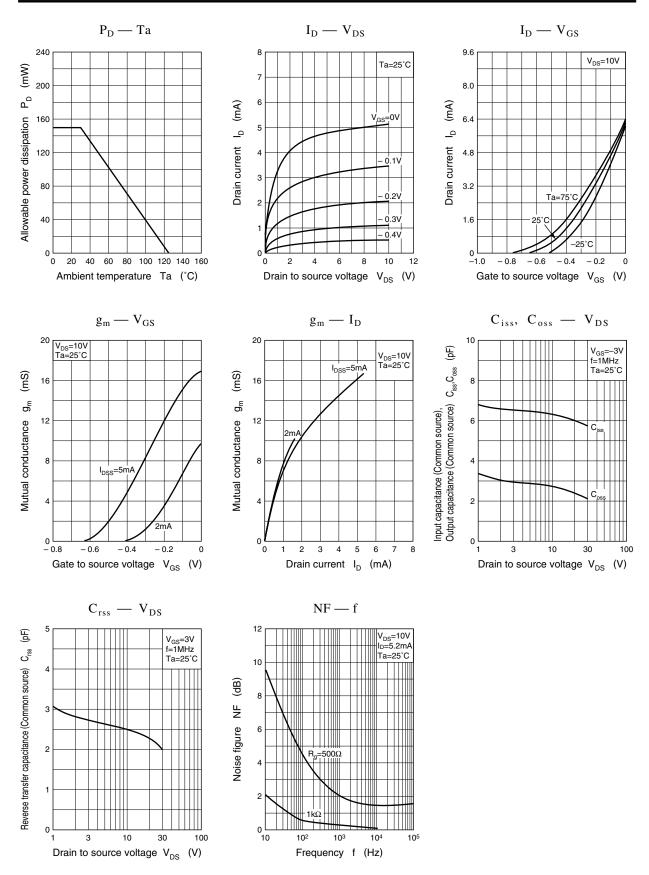
■ Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Drain to Source cut-off current	I _{DSS} *	$V_{DS} = 10V, V_{GS} = 0$	0.5		12	mA
Gate to Source leakage current	I _{GSS}	$V_{GS} = -30V, V_{DS} = 0$			-100	nA
Gate to Source cut-off voltage	V _{GSC}	$V_{DS} = 10V, I_D = 10\mu A$	- 0.1		-1.5	V
Mutual conductance	g _m	$V_{DS} = 10V, I_D = 0.5mA, f = 1kHz$	4			mS
		$V_{DS} = 10V, V_{GS} = 0, f = 1kHz$	4			
Input capacitance (Common Source)	C _{iss}			14		p F
Reverse transfer capacitance (Common Source)	C _{rss}	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		3.5		p F
Noise figure NV	NV	$V_{DS} = 30V, I_D = 1mA, G_V = 80dB$		(0)		mV
	INV	$R_g = 100k\Omega$, Function = FLAT		60		

* I_{DSS} rank classification

Runk	Р	Q	R
I _{DSS} (mA)	0.5 to 3	2 to 6	4 to 12
Marking Symbol	1OP	10Q	1OR

Note) The part number in the parenthesis shows conventional part number.



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