



2SK2751

N-CHANNEL JFET

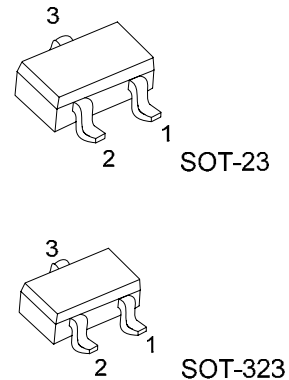
N-CHANNEL JUNCTION FET

■ FEATURES

- * Low noise-figure (NF).
- * High gate to drain voltage V_{GDO} .

■ APPLICATIONS

- * For impedance conversion in low frequency.
- * For pyroelectric sensor.



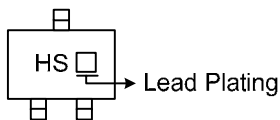
*Pb-free plating product number:2SK2751L

■ ORDERING INFORMATION

Ordering Number		Package	Pin Assignment			Packing
Normal	Lead Free Plating		1	2	3	
2SK2751-AE3-R	2SK2751L-AE3-R	SOT-23	D	S	G	Tape Reel
2SK2751-AL3-R	2SK2751L-AL3-R	SOT-323	D	S	G	Tape Reel

2SK2751L-AE3-R	(1)Packing Type	(1) R: Tape Reel
	(2)Package Type	(2) AE3: SOT-23, AL3: SOT-323
	(3)Lead Plating	(3) L: Lead Free Plating, Blank: Pb/Sn

■ MARKING



■ ABSOLUTE MAXIMUM RATINGS (Ta = 25 °C)

PARAMETER	SYMBOL	RATINGS	UNIT
Gate-Drain Voltage	V _{GDS}	-40	V
Drain Current	I _D	10	mA
Gate Current	I _G	2	mA
Allowable Power Dissipation	P _D	200	mW
Channel Temperature	T _{CH}	+150	
Storage Temperature	T _{STG}	-55 ~ +150	

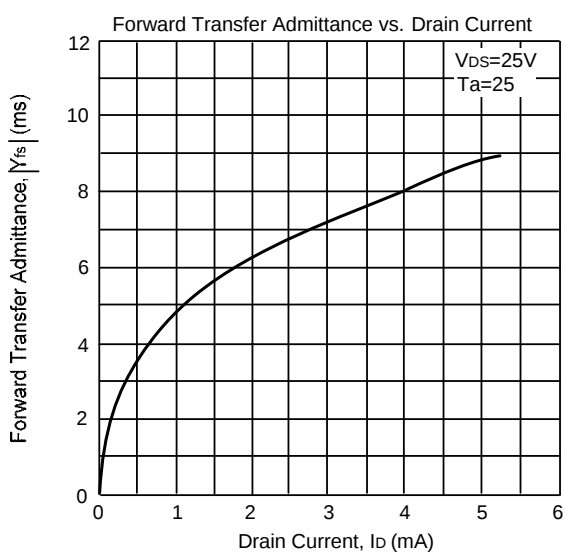
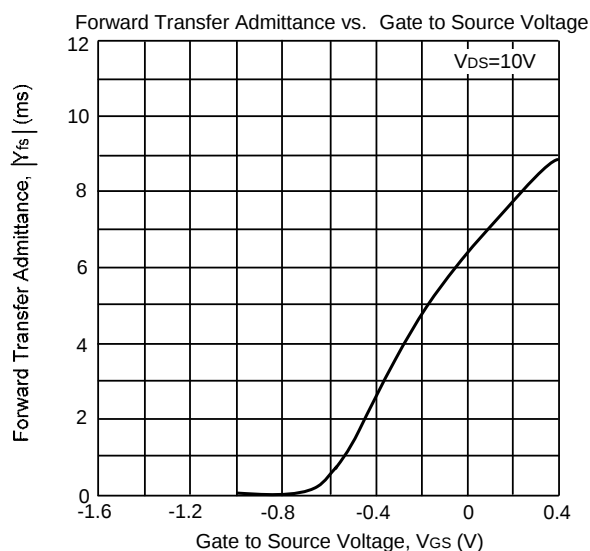
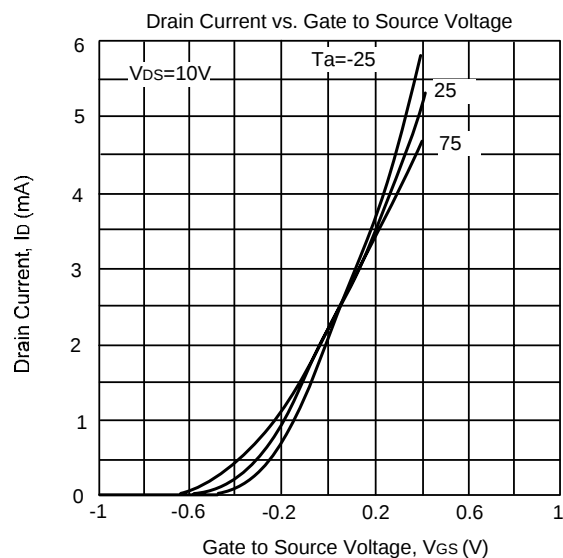
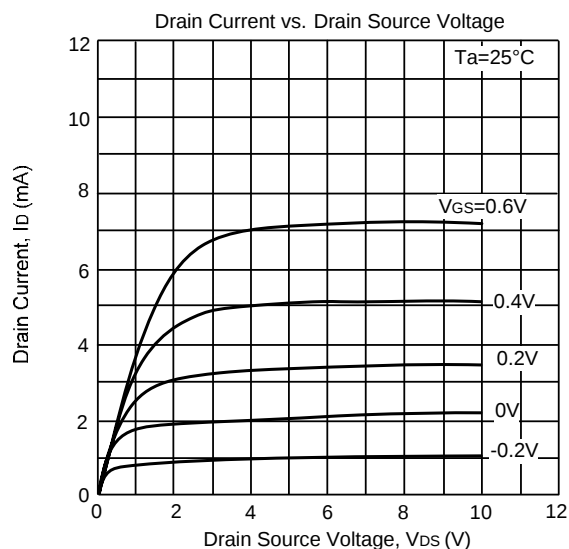
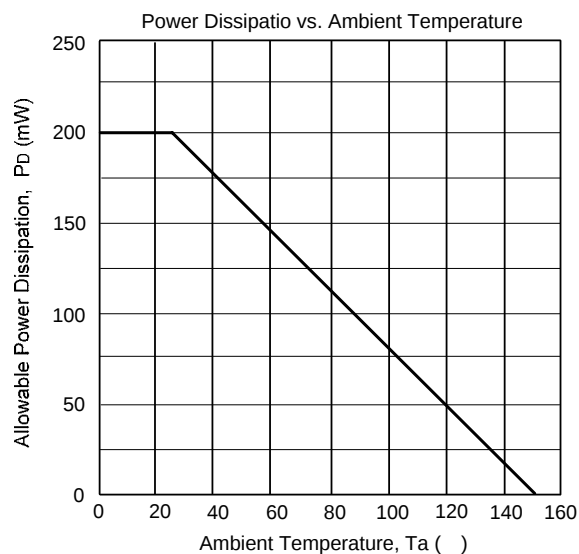
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.

Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (Ta=25±3 °C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Gate-Drain Voltage	V _{GDS}	I _G =-100μA, V _{DS} =0	-40			V
Gate-Source Cut-Off Voltage	V _{GSC}	V _{DS} =10V, I _D =1μA			-3.5	V
Drain-Source Cut-Off Current	I _{DSS}	V _{DS} =10V, V _{GS} =0	1.4		4.7	mA
Gate-Source Leakage Current	I _{GSS}	V _{GS} =-20V, V _{DS} =0			-1	nA
Forward Transfer Admittance	Y _{fs}	V _{DS} =10V, V _{GS} =0, f=1kHz	2.5			mS
Input Capacitance (Common Source)	C _{ISS}	V _{DS} =10V, V _{GS} =0, f=1MHz		5		pF
Output Capacitance (Common Source)	C _{OSS}			1		pF
Reverse Transfer Capacitance (Common Source)	C _{RSS}			1		pF

TYPICAL CHARACTERISTICS



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