

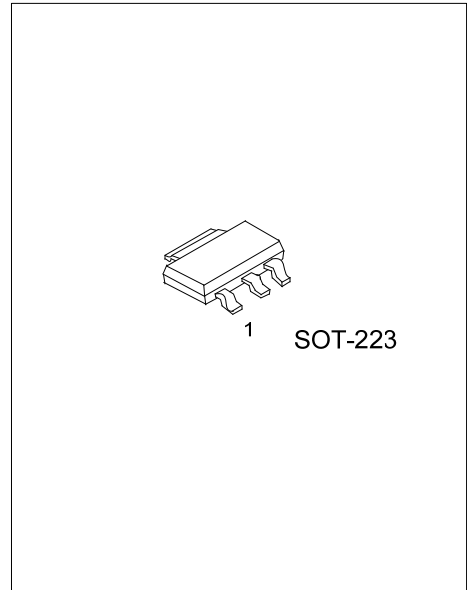


## 2SK3476

Preliminary

POWER MOSFET

FIELD EFFECT TRANSISTOR  
SILICON N CHANNEL MOSFET  
TYPE, VHF/UHF BAND  
AMPLIFIER APPLICATIONS



### DESCRIPTION

The UTC **2SK3476** are intended for high frequency Power Amplifier of telecommunications equipment.

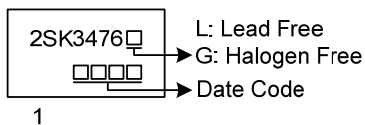
### ORDERING INFORMATION

Ordering Number		Package	Pin Assignment			Packing
Lead Free	Halogen-Free		1	2	3	
2SK3476L-AA3-R	2SK3476G-AA3-R	SOT-223	G	S	D	Tape Reel

Note: Pin Assignment: G: Gate S: Source D: Drain

<p>2SK3476G-AA3-R</p> <p>(1)Packing Type (2)Package Type (3)Green Package</p>	<p>(1) R: Tape Reel (2) AA3: SOT-223 (3) G: Halogen Free and Lead Free, L: Lead Free</p>
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### MARKING



■ ABSOLUTE MAXIMUM RATINGS ( $T_C=25^\circ\text{C}$ , unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Drain-Source Voltage	$V_{DS}$	20	V
Gate- Source Voltage	$V_{GS}$	$\pm 5$	V
Drain Current	$I_D$	3	A
Power Dissipation (Note 2)	$P_D$	5	W
Junction Temperature	$T_J$	+150	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-45 ~ +150	$^\circ\text{C}$

Notes: 1. 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.

2. When mounted on a 1.6 mm glass epoxy PCB.

■ ELECTRICAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ , unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Threshold Voltage	$V_{TH}$	$V_{DS}=7.2\text{V}$ , $I_D=2\text{mA}$	0.55	1.05	1.55	V
Drain-Source Leakage Current	$I_{DSS}$	$V_{DS}=20\text{V}$ , $V_{GS}=0\text{V}$			5	$\mu\text{A}$
Gate-Source Leakage Current	$I_{GSS}$	$V_{GS}=10\text{V}$ , $V_{DS}=0\text{V}$			5	$\mu\text{A}$
Drain-source on-voltage	$V_{DS(ON)}$	$V_{GS}=10\text{V}$ , $I_D=75\text{mA}$		18		mV
Input capacitance	$C_{ISS}$	$V_{DS}=7.2\text{V}$ , $V_{GS}=0\text{V}$ , $f=1\text{MHz}$		53		pF
Output capacitance	$C_{OSS}$	$V_{DS}=7.2\text{V}$ , $V_{GS}=0\text{V}$ , $f=1\text{MHz}$		49		pF

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