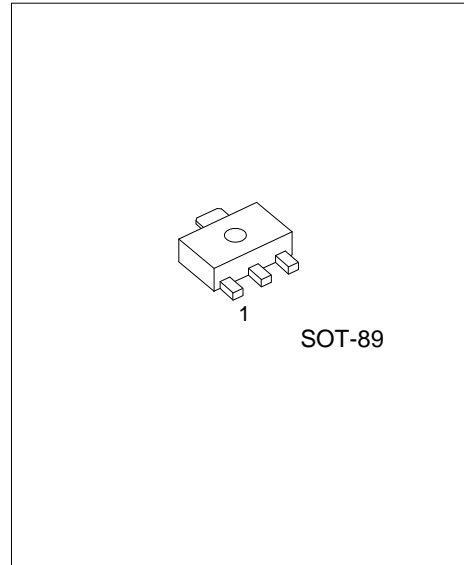




FIELD EFFECT TRANSISTOR SILICON N CHANNEL MOSFET TYPE, VHF/UHF BAND AMPLIFIER APPLICATIONS



DESCRIPTION

The UTC 2SK3078A are intended for high frequency Power Amplifier of telecommunications equipment.

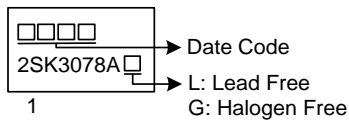
ORDERING INFORMATION

Order Number		Package	Pin Assignment			Packing
Lead Free	Halogen Free		1	2	3	
2SK3078AL-AB3-R	2SK3078AG-AB3-R	SOT-89	G	S	D	Tape Reel

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

<p>2SK3078AG-AB3-R</p> <ul style="list-style-type: none"> (1) Packing Type (2) Package Type (3) Green Package 	<ul style="list-style-type: none"> (1) R: Tape Reel (2) AB3: SOT-89 (3) G: Halogen Free and Lead Free, L: Lead Free
--	--

MARKING



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

PARAMETER	SYMBOL	RATINGS	UNIT
Drain-Source Voltage	V_{DS}	10	V
Gate- Source Voltage	V_{GS}	5	V
Drain Current	I_D	0.5	A
Power Dissipation	P_D	1 (Note)	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. Device mounted on FR-4 substrate PC board, 2oz copper, with 1inch square copper plate.

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

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Threshold Voltage	V_{TH}	$V_{DS}=4.8\text{V}$, $I_D=0.5\text{mA}$	0.2		1.2	V
Drain-Source Leakage Current	I_{DSS}	$V_{DS}=10\text{V}$, $V_{GS}=0\text{V}$			10	μA
Gate-Source Leakage Current	I_{GSS}	$V_{GS}=5\text{V}$, $V_{DS}=0\text{V}$			5	μA

UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. UTC reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.