MEETING YOUR NEEDS
TOKO, Inc.

Product Information

NEW

3.3V Operation 75Ω Video Line Driver IC with Clamp
TK15467S

DESCRIPTION

The TK15467S is a 75Ω video line driver IC, which operates from 2.7V. Its voltage gain is 12dB and includes clamp circuit.
It can output $2.0V_{P-P}$ at V_{CC}=3.3V. Therefore, it is useful for less power dissipation. Built-in stand-by circuit can reduce supply current at stand-by mode.

FEATURES

- Low Voltage Operation: V_{OP}=2.7~10.0V
- Low Supply Current: I_{CC}=15.5mA
- Internal 75Ω Driver
- Fixed Voltage Gain: 12dB
- Built-in Clamp Circuit
- Built-in Stand-by Circuit
- Very Small Outline Package: SOT23-6

APPLICATIONS

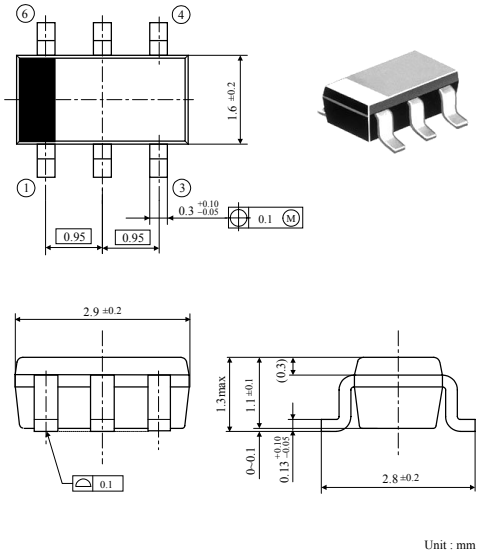
- Digital Still Camera
- Video Camera Recorder
- Portable Video Equipment Operating Low Voltage

ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Value (TYP)	Unit
Operating Voltage Range	V_{CC}	+2.8~10.0	V
Supply Current	I_{CC}	16.4	mA
Stand-by Current	I_{CCS}	43.0	µA
Clamp Voltage	V_{CMP}	1.28	V
Voltage Gain	G_V	11.2	dB
Differential Gain	DG	±5.0	%
Differential Phase	DP	±5.0	deg
Frequency Response	fr	0.1 fin=1MHz/5MHz	dB

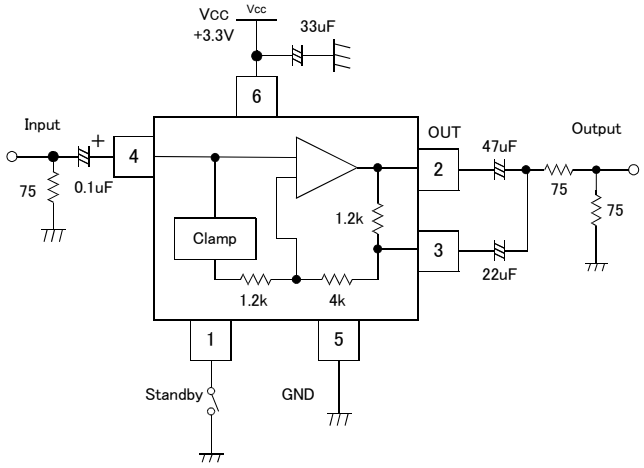
PACKAGE OUTLINE

■ SOT23-6



Unit : mm

BLOCK DIAGRAM



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 Rev.1