

UNDER DEVELOPMENT

OP Amp IC TK84558F

DESCRIPTION

The TK84558F is general purpose dual operational amplifier, which can operate from $\pm 2V$ supply.

It is pin-compatible with industry standard dual Op Amps, and be applied to various usages.

Because super-thin type SON-8 package is used, it is the best for a portable equipment that there is a restriction in space.

FEATURES

- Input Offset Voltage 0.5mV typ.
- Input Offset Current 5nA typ.
- Input Bias Current 50nA typ.
- Slew Rate 2.5V/ μ sec. typ.
- Gain Bandwidth 6.0MHz

APPLICATIONS

- Active Filters
- Audio Amplifier Circuits
- VCO
- Various Electric Circuits

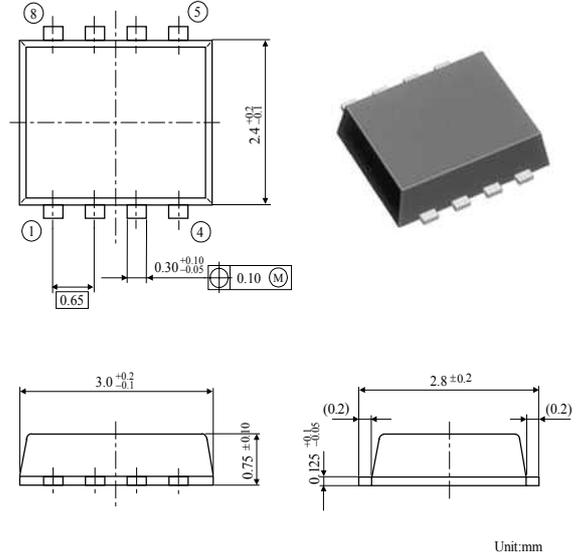
ELECTRICAL CHARACTERISTICS

Condition : $V_s = \pm 5V$

Parameter	Symbol	Value (TYP)	Units
Operation Voltage	V_{OP}	$\pm 2 \sim \pm 8$	V
Supply Current	I_{CC}	2.7	mA
Input Offset Voltage	V_{IO}	0.5	mV
Input Offset Current	I_{IO}	5	nA
Input Bias Current	I_{IB}	50	nA
Voltage Gain	G_{VO}	100	dB
Maximum Output Voltage	V_{OM}	$-3.5 \sim +4.0$	V
Common-Input Voltage Range	V_{ICM}	± 4.0	V
Common-Mode Rejection Ratio	CMR	90	dB
Supply Voltage Rejection Ratio	SVR	90	dB
Slew Rate	SR	2.5	V/ μ s
Gain Bandwidth	GBW	6	MHz

PACKAGE OUTLINE

■ SON-8



Unit:mm

BLOCK DIAGRAM

