

## UNDER DEVELOPMENT

## Audio Power Amplifier IC TK17119Y

### DESCRIPTION

The TK17119Y is audio amplifier capable of low voltage operation for speaker drivers.  
 The coupling capacitors to the speaker are not required, because of BTL (Bride) configuration.  
 Current consumption can be decreased by the stand-by function.

### FEATURES

- Low Voltage Operation Available  $V_{cc}=1.8V\sim 18V$
- Low Current Consumption  
 $I_{cc}=2.7mA$  ( $V_{cc}=3.6V, R_L=\infty$ )
- Stand-by Function Available  
 $I_{ccs}=1.0\mu A$  max.
- Maximum Output Power  
 $P_{OM}=280mW$  ( $V_{cc}=5.0V, R_L=32\Omega$ )
- Equivalent for MC34119, NJM2135

### APPLICATIONS

- Suitable for speaker drive of a portable equipment.

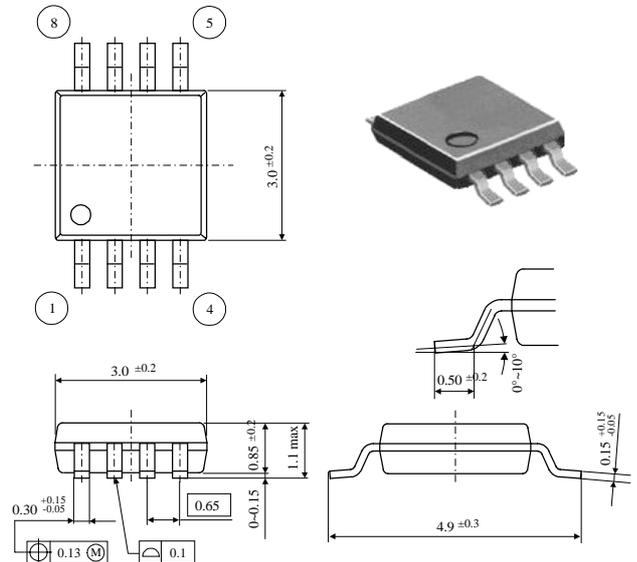
### ELECTRICAL CHARACTERISTICS

Conditions :  $V_{cc}=3.6V, R_L=32\Omega, f=1kHz$

Parameter	Symbol	Value (TYP)	Units
Operation Voltage	$V_{OP}$	1.8 ~ 18.0	V
Supply Current	$I_{CC}$	2.7	mA
Stand-by Current	$I_{CCS}$	0.1	$\mu A$
Total Harmonic Distortion	THD	0.5	%
Maximum Output Power	$P_{OM}$	120	mW
Ripple Rejection Ratio	PSRR	60	dB

### PACKAGE OUTLINE

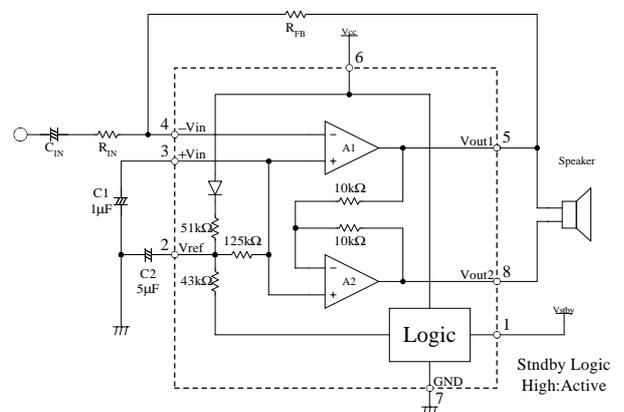
- MSOP-8 (Provisional Name)



Unit : mm

(\* Externals size has the possibility to be changed.)

### BLOCK DIAGRAM



⚠ Note that the contents are subject to change or discontinuation without notice. When placing orders, please confirm specifications and delivery condition in writing.