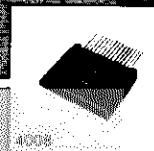


Case outline 4018 4017  
**STK-3042, 3044,**  
 4018 4018  
**3062, 3082**

VOLTAGE AMPLIFIER FOR  
 40 to 90W AF POWER AMP.



#### Use

- STK-3042: A voltage amplifier for 40 to 50W AF power amplifier
- STK-3062: A voltage amplifier for 60 to 70W AF power amplifier
- STK-3044: A voltage amplifier for 40W AF power amplifier
- STK-3082: A voltage amplifier for 80 to 90W AF power amplifier

#### MAXIMUM RATING / $T_a=25^\circ\text{C}$

|                             |              | STK-3042      | STK-3044      | STK-3062      | STK-3082    | unit             |
|-----------------------------|--------------|---------------|---------------|---------------|-------------|------------------|
| Maximum Supply Voltage      | $V_{CC}$ max | $\pm 48$      | $\pm 48$      | $\pm 55$      | $\pm 65$    | V                |
| Allowable Power Dissipation | $P_d$ max    | $\rightarrow$ | $\rightarrow$ | $\rightarrow$ | 4           | W                |
| Operating Case Temperature  | $T_C$        | $\rightarrow$ | $\rightarrow$ | $\rightarrow$ | 100         | $^\circ\text{C}$ |
| Storage Temperature         | $T_{stg}$    | $\rightarrow$ | $\rightarrow$ | $\rightarrow$ | -30 to +100 | $^\circ\text{C}$ |

#### RECOMMENDED OPERATION CONDITION / $T_a=25^\circ\text{C}$

|                            |          | STK-3042      | STK-3044      | STK-3062      | STK-3082 | unit |
|----------------------------|----------|---------------|---------------|---------------|----------|------|
| Recommended Supply Voltage | $V_{CC}$ | $\pm 40$      | $\pm 32$      | $\pm 45$      | $\pm 50$ | V    |
| Load Resistance            | $R_L$    | $\rightarrow$ | $\rightarrow$ | $\rightarrow$ | 22k      | ohm  |

#### OPERATING CHARACTERISTICS / $T_a=25^\circ\text{C}$ , $V_G=26.5\text{dG}$ , $R_L=22\text{k ohm}$

|                       |          | STK-3042      | STK-3044      | STK-3062      | STK-3082   | unit  |
|-----------------------|----------|---------------|---------------|---------------|------------|-------|
| Current Dissipation   | $I_{CC}$ | 30            | 30            | 35            | 35         | mAmax |
| Output Center Voltage | $V_N$    | $\rightarrow$ | $\rightarrow$ | $\rightarrow$ | -70 to +70 | mV    |
| Output Noise Voltage  | $V_{NO}$ | 0.2           | 0.5           | 0.2           | 0.2        | mVmax |
| Input Resistance      | $r_i$    | 32k           | 54k           | 32k           | 32k        | ohm   |
| Distortion            | THD      | 0.01          | 0.02          | 0.01          | 0.01       | %max  |

#### EQUIVALENT CIRCUIT

