

STK4018X SERIES

thick film hybrid IC

CIRCUIT DRAWING
No.6020

25W MIN TO 70W MIN AF POWER AMP
(DUAL-SUPPLY)



4062

Function

- All-in-one 1-channel AF power amp

Features

- AF Output Power

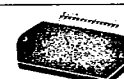
STK4026X: 25W min.	■ The STK4018X series are pin-compatible.
STK4028X: 30W min.	■ Facilitates thermal design of slim stereo sets.
STK4030X: 35W min.	■ The use of a current mirror circuit, cascode circuit provides low distortion (0.008%/100kHz, LPF ON).
STK4032X: 40W min.	■ Possible to design electronic supplementary circuits (pop noise muting at the time of power ON/OFF, load short protector, thermal shut-down)
STK4034X: 45W min.	
STK4036X: 50W min.	
STK4038X: 60W min.	
STK4040X: 70W min.	
- Small-sized package permitting audio sets to be made slimmer

STK4018XI SERIES

thick film hybrid IC

CIRCUIT DRAWING
No.6021

50W MIN TO 80W MIN AF POWER AMP
(DUAL-SUPPLY)



4075

Features

- AF Output Power

STK4036XI: 50W min.
STK4038XI: 60W min.
STK4040XI: 70W min.
STK4042XI: 80W min.
- Small-sized package permitting audio sets to be made slimmer
- The STK4018XI series are pin-compatible.
- Facilitates thermal design of slim stereo sets.
- The use of a current mirror circuit, cascode circuit, pure complementary circuit provides low distortion (0.008%/100kHz, LPF ON).
- Possible to design electronic supplementary circuits (pop noise muting at the time of power ON/OFF, load short protector, thermal shutdown)

STK4101II SERIES

thick film hybrid IC

CIRCUIT DRAWING
No.6022

2-CHANNEL AF POWER AMP.



4040



4042

Applications

- | | |
|------------------------------------|------------------------------------|
| ■ STK4101II: 6W min AF power amp. | ■ STK4151II: 30W min AF power amp. |
| ■ STK4111II: 10W min AF power amp. | ■ STK4161II: 35W min AF power amp. |
| ■ STK4121II: 15W min AF power amp. | ■ STK4171II: 40W min AF power amp. |
| ■ STK4131II: 20W min AF power amp. | ■ STK4181II: 45W min AF power amp. |
| ■ STK4141II: 25W min AF power amp. | ■ STK4191II: 50W min AF power amp. |

Features

- | | | | | | | | | | | | | | |
|---|---|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <ul style="list-style-type: none"> ■ Smaller package as compared with the STK450 series. ■ Built-in muting circuit to cut off various kinds of pop noise. ■ Greatly reduced heat sink due to case temperature 125°C guaranteed. ■ Excellent cost performance. | <ul style="list-style-type: none"> ■ Package Number: <table border="0"> <tr> <td>4040</td> <td>4042</td> </tr> <tr> <td>STK4101II</td> <td>STK4151II</td> </tr> <tr> <td>STK4111II</td> <td>STK4161II</td> </tr> <tr> <td>STK4121II</td> <td>STK4171II</td> </tr> <tr> <td>STK4131II</td> <td>STK4181II</td> </tr> <tr> <td>STK4141II</td> <td>STK4191II</td> </tr> </table> | 4040 | 4042 | STK4101II | STK4151II | STK4111II | STK4161II | STK4121II | STK4171II | STK4131II | STK4181II | STK4141II | STK4191II |
| 4040 | 4042 | | | | | | | | | | | | |
| STK4101II | STK4151II | | | | | | | | | | | | |
| STK4111II | STK4161II | | | | | | | | | | | | |
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