



Integrated Audio Amplifiers

Sanyo IMST Hybrid Amplifiers

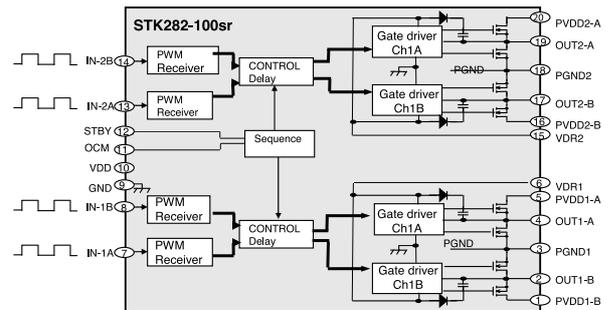
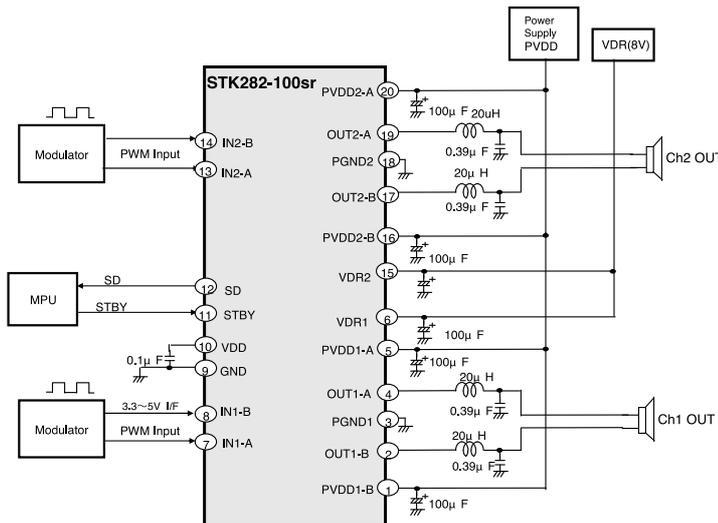
Class-D Power Stages

These devices are a self contained output power stage including the output full bridge power mosfets and a newly developed driver stage with the following features:

- Total 600W with 1 package (~300W x 2ch at 10% THD)
- 3.3V / 5V PWM Input Interface
- 800kHz frequency operation for true high fidelity class-D solutions
- Easy to design by pin-compatible layout across the series
- High quality sound through discrete power Mosfet
- Over Current Protection (Self Shutdown & Error Signal)
- Small module size - 64.0mmx31.1mmx9.0mm

Product Line Up

| Part Number | Channels | Po(W) 10% THD | Po(W) 0.8% THD | Power RL (Ω) | Lead Pitch (mm) | VccMax(V) Signal (No Signal) | Package |
|--------------|----------|------------------|-------------------|--------------------------|--------------------|------------------------------------|---------|
| STK282-100-E | 2 | 100Wx2 | 70Wx2 | 6 Ω | 2 | \pm 40 | 20-pin |
| STK282-140-E | 2 | 200Wx2 | 150Wx2 | 6 Ω | 2 | \pm 56 | 20-pin |
| STK282-170-E | 2 | 300Wx2 | 200Wx2 | 6 Ω | 2 | \pm 66 | 20-pin |



Package Dimensions

unit:mm (typ)

