

BKE 30S/BKE 35S/BKE 40S

TECHNICAL SPECIFICATIONS



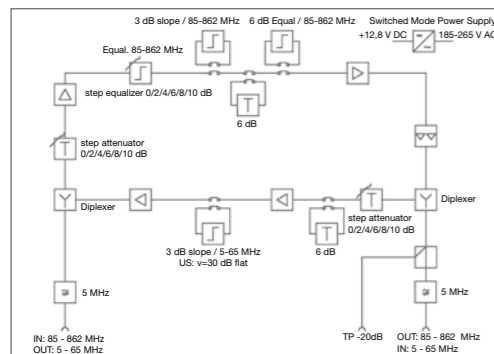
| Model | BKE 30S | BKE 35S | BKE 40S | Comment |
|---|-----------------|---------------------------------|------------------------------|---|
| Product Number | 5700 1558 | 5700 1559 | 5700 1604 | Complete with Downstream |
| Upstream | | | | |
| Frequency Range | | 85 – 862 MHz | | |
| Gain | 32 dB | 36 dB | 41 dB | @ 862 MHz with 3 dB Slope (disengageable) |
| Noise Level | 5 dB | 4 dB | 4 dB | type. |
| Attenuator / Interstage | | 0-2-4-6-8-10 / 6 dB | | Step-Spin-Adjuster / Double-Jumper |
| Line EQ / Interstage Slope | | 0-2-4-6-8-10 / 6 dB / 3 dB | | Step-Spin-Adjuster / Double-Jumper |
| Linearity | | ± 0,5 dB | | |
| Max. Analog Operating Level | 99 / 101 dBµV | 104 / 104 dBµV | 109 / 109 dBµV | CSO/CTB>60 dB, 41Ch CENELEC, 3dB Slope |
| Max. Analog/Digital Operating Level | 97 dBµV | 102 dBµV | 107 dBµV | 95 Ch UM-Last with 2 dB Reserve |
| Downstream | | | | |
| Frequency Range | | 5 – 65 MHz | | |
| Gain | 28 dB | 28 dB | 30 dB | With 3 dB Slope (disengageable) |
| Noise figure | | 5 dB | | |
| Level / Attenuator / Interstage | | 0-2-4-6-8-10 / 6 dB | | Step-Spin-Adjuster / Double-Jumper |
| Line EQ (Slope) | | 0 / 3 dB | | Double-Jumper, Delivery Rate 3 dB Slope |
| Bit Error Rate @ U _a =120 dBµV | | < 1 x 10 exp-6 | | KDG 1TS140 Medium Load |
| In Operation | | | | |
| Power Supply | 230 VAC / 7,5 W | 185...265 VAC / 8 W | 185...265 VAC / 12 W | |
| Voltage Usage Display | | Green LED | | |
| Burst + Surge Protection | | 1,5 kV | | |
| Operational Temperatures | | -20... +55 °C | | Horizontal Mounting |
| Housing / Weight | | 175 / 188 x 85 x 50 mm / 0,7 kg | | Die-cast Aluminium Frame & Cover |
| Protection Class Level | | IP 20 | | |
| Protection Class | | II, Insulated | | Euro-Flat Plugs |
| Test Point | - | - | - 20 dB F-External-Connector | via Directional Coupler at Output |
| CE Conforming | | EN 50083-2 / EN 60728-11 | | Class A |
| Device Class | | | | |
| KDG | B (3.1) | B (3.2) | B (4.3) | KDG 1TS140 |
| KBW | 4.B | 4.C | | KBW NE4 Pfh. |
| Unitymedia | 1-3 / 4-6 flats | 7-12 flats | 13-18 | UM-Grid 95 Ch analog/digital |

Subject to change. Stand 04/2010

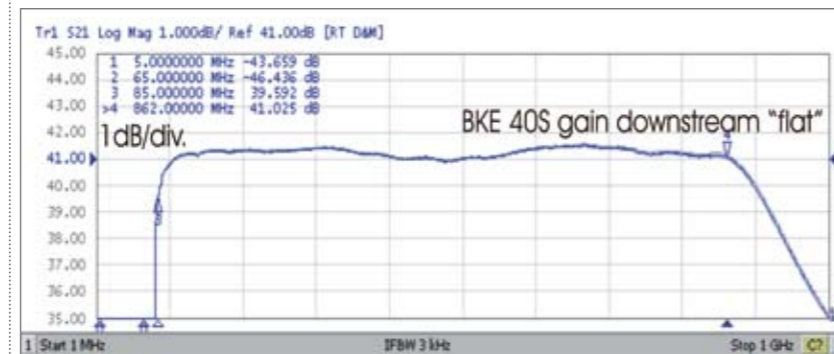
SEND THE RIGHT SIGNALS. THE S-CLASS BKE-AMPLIFIERS.



Circuit Diagram



Transfer Rate Curve „flat“ at Example BKE 40S



READY TO RECEIVE

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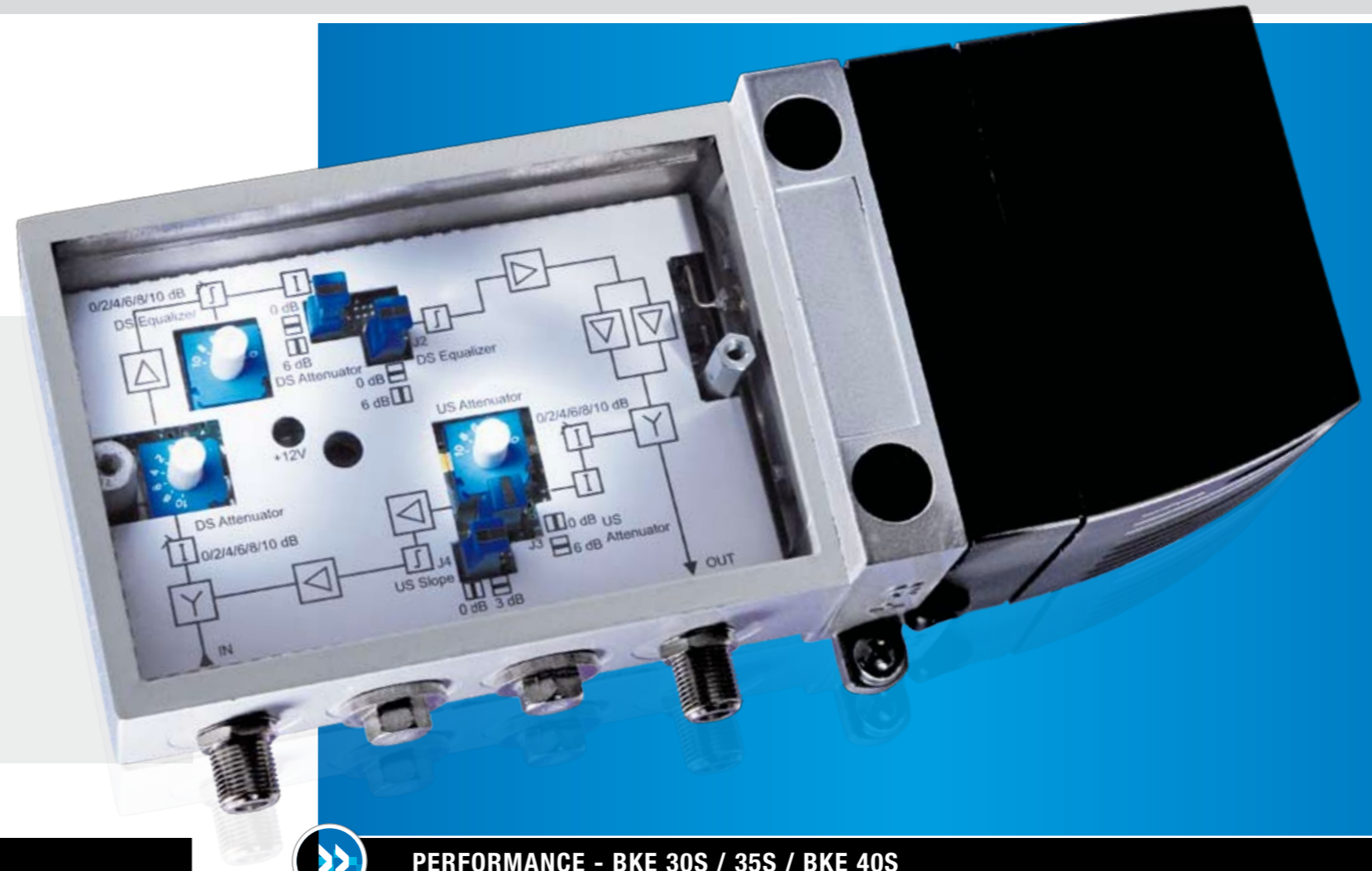
READY TO RECEIVE



Easy to install, reliable and with outstanding transmission properties – that's the newly developed S-Class BKE connection amplifiers.

The „S“ in the S-Class BKE amplifier stands for „Step-Spin control“. This innovative technology secures Delta Electronics' leadership in the house distribution amplifier for HSI expansion. The transmission of broadcast and High Speed Internet (HSI) services through the coaxial home network will ensure the highest quality. Settle for nothing less- see for yourself:

- 1 Unique for compact house connection amplifiers: Step-Spin adjusters to adjust attenuation and cable equalization!**
- 2 Time-saving through safe and easy installation!**
- 3 Unbeatable transmission characteristics for the best quality signals!**
- 4 Tested and listed for HSI network employment by leading cable operators:**



EASY TO INSTALL

- || Step-Spin enables fine and reproducible adjustment of settings of attenuation and cable equalization 2dB steps with clear decimal display.
 - direct installation determines amplifier correction values, if necessary, without re-measuring
 - Amplifier pre-configuration according to network planning.
 - Adoption of settings in the amplifier exchange.
- || High safety levels for installation in low visibility through Click-on Connectors.
- || PAD or module carrying is not necessary.

EFFICIENT

- || Easy Logistics:
 - Small range of 3 Amplifier types fully covers HSI expansion from 1-18
 - No additional modules or adjustment elements necessary.
- || Energy saving and environmentally friendly through highly efficient power supply switching (BKE 35S and 40S)
- || Cost reduction through time efficiency at implementation

RELIABLE

- || High long-term stability of the set values through Step-Spin technology: fixed resistor elements in thick film technology can be switched in the hermetically sealed rotary switch.
- || Ensures signal quality even under the most difficult conditions through excellent amplifier characteristics
 - Extremely low noise in each setting
 - High output level
 - Excellent linear transfer characteristic properties
- || High burst and surge protection against surges up 1.5 kV: the latest European standard EN 60728-3

GET MORE FOR YOURSELF

- || DELTA's assistance in planning
- || Provision of Lib files for AND planning program
- || Announcement scripts for tenders
- || 24 Hour Delivery Service
- || Technical Training
- || Project Financing

PERFORMANCE - BKE 30S / 35S / BKE 40S



- || Attenuator: Step-Spin 10 dB at input, Jumper 6 dB Interstage
- || Line EQ: Step-Spin 10 dB, Jumper 6 dB; Slope 3 dB Interstage (disengageable)
- || Extremely low operating volume MMIC-Input (F = 4 dB typ.)
- || Energy efficient switching power supply
- || Test port with directional coupling
- || Detachable power supply part

