DPA616

Sixteen-channel Class-D amplifier 16 x 60W

Highlights:

- Lightweight class-D amplifier
- Stereo & bridged mode
- Terminal block output connections
- 16 Channel design (8 channel bridged)

Product information:

The DPA616 is a professional sixteen channel power amplifier which is capable of delivering a power of 60 Watt to 4 Ohm loads connected to the 16 output channels. When used in bridge mode, it can deliver a power of 120 Watt to 8 Ohm loads connected to the 8 bridged outputs. This way, the DPA616 is the perfect solution for installed multi-zone audio distribution systems with 8 or 16 zones. This amplifier is designed as a no-nonsense amplifier with only the necessary controls and connections which creates great simplicity in use and installation. The input connections are all performed with 3-pin Terminal block connectors, allowing the connection of balanced input signals. Every channel is fitted with a separate gain control potentiometer and for every two input connectors, there is a stereo / bridge & parallel switch provided whereby two channels can be bridged or linked in parallel, avoiding a cable clutter when multiple channels should be fed with the same input signal. The output connections are performed with 4-pin Terminal block connectors allowing connections for separate or bridged output channels. A built-in multipurpose protection circuit protects against DC malfunction, short circuit, overheating, overload and limits the signal when necessary. This all is housed in a double rack space, steel 19” rack mount housing.

Applications:

- Education
- Retail
- Corporate
- Bars & Restaurants

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

System specifications:

Frequency	Response (± 3 dB)	20 Hz - 20 kHz
Signal / Noise		> 100 dB
THD+N (@ 1 kHz)		< 0.1%
Technology		Class-D
Inputs	Sensitivity	-20 dB ~ +20 dB
	Connector	3-pin Euro Terminal Block (Pitch - 3.81 mm)
Outputs	Connector	4-pin Euro Terminal Block (Pitch - 5.08 mm)
Power	Supply	Switching mode
	Source	100 ~ 240 V AC / 50 ~ 60 Hz
Protection		DC Short circuit
		Over heating
		Over load
		Signal limiting
Operating temperature		0° ~ 40° @ 95% Humidity
RMS/AES power handling	@ 4 Ω Stereo	16 x 60 W
	@ 8 Ω Bridge	8 x 120 W
	@ 8 Ω Stereo	16 x 30 W

Product Features:

Dimensions		482 x 88 x 322 mm (W x H x D)
Weight		8.200 kg
Mounting		19"
Unit height		2 HE
Construction		Steel
Colours		Black
Accessories	Included	16 x 3-pin Euro Terminal Block Input connectors
		8 x 4-pin Euro Terminal Block outputs connector

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Architects' and Engineers' Specifications:

The amplifier must be a compact sixteen channel class D power amplifier, containing sixteen independent controllable amplifier channels with an output power of 16 x 60 Watt. Bridging the output channels shall allow merging of the output power to 8 x 120 Watt. The construction must be transformerless, using Class-D amplifier technology and powered by a switching power supply. Each channel shall have integrated circuitry to protect against short-circuits or mismatched loads and over-heating. The front panel shall contain an AC power switch accompanied by a blue power indicator LED.

All connections shall be made on the rear panel of the unit, where a clip LED indicates the channel operation at maximum level and a volume adjustment potentiometer is provided for each channel.

The signal input connections shall be balanced and performed using 3-pin Euro Terminal Block connectors. The output connections must be compatible with 4-pin Terminal Block Connectors.

The amplifier shall operate on a 110 ~ 240 V AC / 50 ~ 60 Hz mains network and shall be equipped with a removable power cord having a standard shuko (CEE 7/7) AC plug. The connector on the amplifier chassis shall be a fused IEC C14 type.

The amplifier chassis shall be a double rackspace steel constructed 19" housing. Depth from mounting surface to rear supports shall be 310 mm and the weight shall not exceed 8.20 Kg.

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