

Class-D Amplifier



TSG-D120/D240/D500

Class-D Power Amplifier

**Compliant to EN-54 | 1U Rack mountable | Switching power technology | Built-in auto standby
| 100V Input**

The TSG-D120/D240RJ/D500 is a family of 1U, rack mountable, high efficiency class D amplifier for 100V distributed loudspeaker systems & low impedance 8 Ohm. The digital class-D power amplifier is switching power technology, which features minimum power consumption & higher efficiency up to 85%. There are inputs by phoenix connector and channel with gain control. The built-in high-pass filters could be enabled or disabled through the dip switch pre-setting. Automatic standby enables after no detection of signal input for one minute, immediately wake up at sight of any input. Protected from short circuit, overload, high temp, clip, and DC protection. Separate indicators for protection, clip, input, and output



Technical Specifications

MODEL	TSG-D120	TSG-D240	TSG-D500
Rated Power	120W	240w	500W
Power Consumption	150W	300W	650W
Amplifier output	100V		
Audio Input	100V		
Frequency Response	L/H Cut OFF 20Hz-20KHz (+1/-2dB), L/H Cut ON 70Hz-10KHz (+1/-3dB		
Amplifier Technology	Class D with >85% efficiency		
Input Impedance	10KΩ		
Signal to Noise Ratio	>80dB		
Total Harmonic Distortion	<0.1% (1KHz / -3dBv,100W)		
Operating temperature	-10°C to +55°C		
Power supply	230V AC & 24V DC, 50-60Hz		
Dimension (WxHxD)	484x44x370 mm		
Weight	4.5kg	5.28kg	6.2kg

Products are continually improved. All specifications are subject to change without prior notice | V1.1 | 04062024 | For more information, contact techsupport@tsgaudioinnovation.com