

Class-D Amplifier



TSG-D2120RJ/D2240RJ/D2500RJ

Two Channel Class-D Power Amplifier

Compliant to EN-54 | 1U Rack mountable | Switching power technology | Two channels | Built-in auto standby

The TSG-D2120RJ/D2240RJ/D2500RJ is a family of 1U, rack mountable, high efficiency class D amplifier with 02 independent amplifier units integrated in a single chassis for 100V distributed loudspeaker systems & low impedance 8 Ohm. The digital class-D two channel power amplifier is switching power technology, which features of minimum power consumption & higher efficiency up to 85%. There are two balanced inputs by phoenix connector for each channel with gain control. The built-in two channel separate 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-D2120RJ	TSG-D2240RJ	TSG-D2500RJ
Rated Power	2x120W	2x240W	2x500W
Power Consumption	300W	550W	1150W
Amplifier output	100V & 8 Ohm		
Audio Input	0.775V, 0dBu, balanced phoenix connector & 100V		
Frequency Response	L/H Cutt OFF 20Hz-20KHz (+1/-2dB), L/H Cutt 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	5.0kg	5.2kg	5.6kg

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