

## 15 to 90W High Reliability Linear Power Supplies

### Features

- ◆ Single and Dual Outputs
- ◆ Excellent Line & Load Regulation
- ◆ Remote Programming and Current Share (NNS)
- ◆ Front Panel Voltage Taps
- ◆ Thermal Protection
- ◆ Five Year Warranty
- ◆ Low Output Ripple
- ◆ Fully Featured
- ◆ Operation from -20 to +71°C Ambient



### Key Market Segments & Applications



Specifications			NNS15	NNS30	NNS50	NND15	NND30
AC Input	VAC	85~115, 98~132, 170~230, 195~265VAC (Front panel selectable)					
Input Frequency	Hz	47~440Hz					
EMI	-	FCC Class B, VDE0871 Level B					
Output Adjustment	-	±10%					
Remote Sense	-	Yes	Yes	Yes	None		
Remote Programming	-	1000 Ohm/Volt				None	
Parallel Operation	-	Via PC Terminal				None	
Output Indicator	-	LED = On					
Line Regulation	%	0.01%					
Load Regulation	%	0.03%					
Cross Regulation	%	Not applicable				0.03%	
Ripple and Noise	mV	1mV rms, 3mV peak to peak					
Overcurrent Protection	%	105 to 130%					
Overvoltage Protection	VDC	5V: 6 ~ 7.2V, 12V: 14.5 ~ 17.2V, 15V: 18.1 ~ 21.5V, 24V: 29 ~ 34.3V					
Cooling	-	Convection					
Operating Temp. Range	°C	-20°C: 60%, 0 to 50°C: 100%, 60°C: 60%, 71°C: 40%					
Storage Temperature	°C	-40 to +85°C					
Temperature coefficient	%	±0.02% per °C					
Humidity (non condensing)	%RH	Operating: 20 - 95% RH, Non operating: 10 - 95% RH					
Vibration	-	10-55Hz Amplitude (sweep for 1 min), <2G X, Y, Z 1 hour each					
Shock (in package)	-	<20G					
Safety Agency Approval	-	UL60950-1, CSA60950-1, EN60950-1, CE Mark					
Withstand Voltage	-	Input to Output: 3.75kVAC, Input to Chassis: 2.5kVAC for 1 minute					
Isolation Resistance	-	>100M at 500VDC @ 25C & 70%RH for 1 minute					
Weight	g	1750	2930	4200	1750	2750	
Size WxHxD	mm	60x124x124	80x124x178	97x113x200	60x113.5x150	80x113.5x164	
Warranty	yrs	Five years					

Note: See Installation Manual for full details, test methods of parameters and application notes



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