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SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 \* Effective: 7/8/02 \* DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	1/16/03	HO	1/16/03	DJC	1/16/03

**MAIN OUTPUTS**

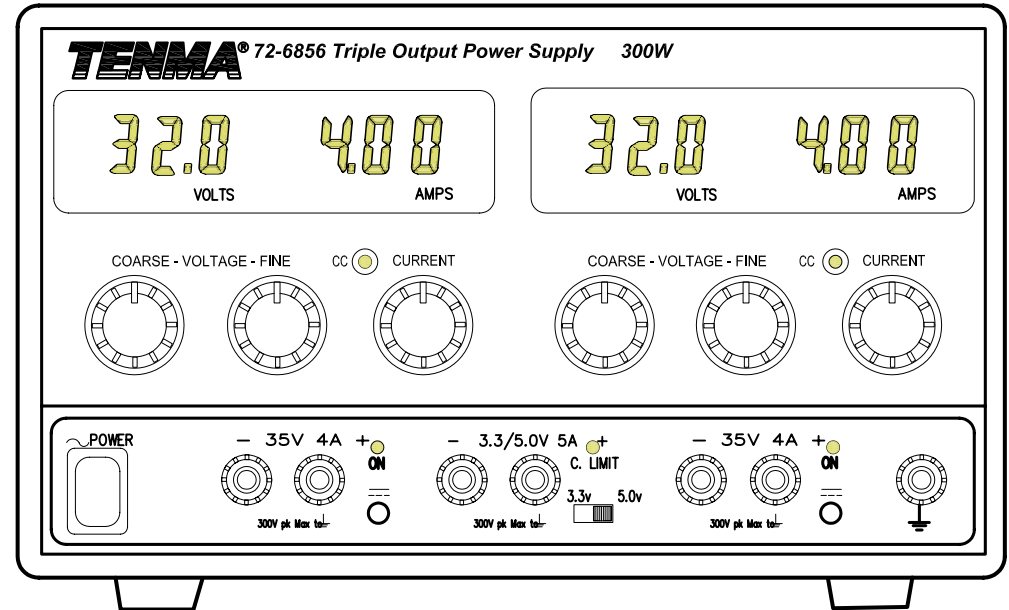
Voltage Range: 0V to 35V  
 Current Range: 0A to 4A  
 Output Voltage Setting: By coarse and fine controls  
 Output Current Setting: By single logarithmic control  
 Operating Mode: Constant voltage or constant current with automatic cross-over and indication  
 Output Switch: Electronic. Preset voltage and current displayed when off  
 Output Terminals: 4mm terminals on 19mm (0.75") pitch  
 Output Impedance: Typically <math>5m\Omega</math> in constant voltage mode. Typically >math>50k\Omega</math> in constant current mode  
 Output Protection: Outputs will withstand forward voltages of up to 40V. Reverse protection by diode clamp for currents up to 3A  
 Load Regulation: <math><0.01\%</math> of max. O/P for a 90% load change  
 Line Regulation: <math><0.01\%</math> of max. O/P for a 10% line voltage change  
 Ripple & Noise (20MHz bandwidth): Typically <math><2mV</math> rms, <math><10mV</math> pk-pk, (CV mode)  
 Transient Response: <math><200\mu s</math> to within 50mV of set level for 90% load change  
 Temp. Coefficient: Typically <math><100ppm/^{\circ}C</math>  
 Status Indication: Output on lamps. Constant current mode lamp

**METERS (Main Outputs)**

Meter Types: Dual 3 digit meters with 14mm (.56") LED displays. Reading rate 4Hz  
 Meter Resolution: 100mV, 10mA  
 Meter Accuracies: Voltage: 0.3% of reading  $\pm 1$  digit  
 Current: 0.6% of reading  $\pm 1$  digit

**LOGIC OUTPUT**

Voltage: 5V or 3.3V, selectable by front panel switch  
 Voltage:  $\pm 2\%$   
 Current Limit: 5A minimum  
 Output Terminals: 4mm terminals on 19mm (0.75") pitch  
 Output protection: Output will withstand up to 7V forward voltage. Diode clamp reverse protection for currents to 3A  
 Load Regulation: <math><0.5\%</math> for a 90% load change  
 Line Regulation: <math><0.1\%</math> for a 10% line voltage change  
 Ripple & Noise (20MHz bandwidth): Typically <math><2mV</math> rms, <math><10mV</math> pk-pk, constant voltage mode  
 Transient Response: Typically <math><200\mu s</math> to within 50mV of set level for 90% load change  
 Temperature Coefficient: Typically <math><100ppm/^{\circ}C</math>  
 Status Indication: Current limit lamp



**GENERAL SPECIFICATIONS**

AC Input: 115 VAC  $\pm 14\%$ , 50/60 Hz. Installation Category II  
 Power Consumption: 600 VA max.  
 Operating Temp. & Humidity: 5°C to 40°C, 20% to 80% RH  
 Storage Range: -40°C to 70°C  
 Environmental: Indoor use at altitudes to 2000m, Pollution Degree 2  
 Safety: Complies with IEC1010-1  
 EMC: Complies with EN50081-1 and EN50082-1  
 Size: 260mm (W) x 160mm (H) x 320mm (D)  
 Weight: 4.3 kg.

DISCLAIMER:  
 ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

**TOLERANCES:**

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

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CHECKED BY:	DATE:
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**DRAWING TITLE:**

Triple Output Power Supply

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6856	19C7723.dwg	A
SCALE:	U.O.M.: INCHES [mm]	SHEET:	1 OF 1
NTS			