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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

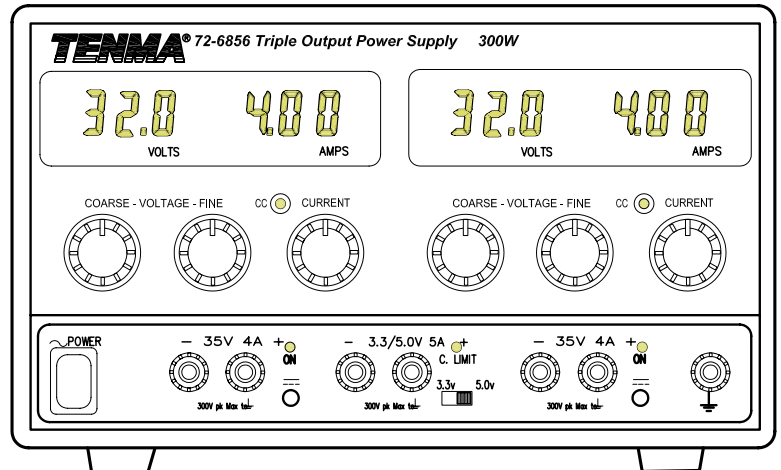
Voltage Range: 0V to 35V
 Current Range: 0A to 4A
 Output Voltage Setting: By coarse and fine controls
 Output Current Setting: By single logarithmic control
 Operating Mode: Constant voltage or constant current with automatic cross-over and indication
 Output Switch: Electronic. Preset voltage and current displayed when off
 Output Terminals: 4mm terminals on 19mm (0.75") pitch
 Output Impedance: Typically $5m\Omega$ 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 ± 1 digit
 Current: 0.6% of reading ± 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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APPROVED 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			