



#### 5V Fixed Output

Regulation:	Line Regulation $\leq 5\text{mV}$
	Load Regulation $\leq 10\text{mV}$
Ripple & Noise:	$\leq 2\text{mVrms}$
Voltage Accuracy:	$5\text{V} \pm 0.25\text{V}$
Current Output:	3A

#### Tracking Operation

Tracking Error:	$\leq 0.5\% + 10\text{mV}$ of the master
Series Regulation:	$\leq 300\text{mV}$

#### Constant Voltage Operation

Regulation:	Line regulation $\leq 0.01\% + 3\text{mV}$
	Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ )
	$\leq 0.02\% + 5\text{mV}$ (rating current $\leq 10\text{A}$ )
Ripple & Noise:	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery time:	$\leq 100\mu\text{s}$ (50% Load Change, Minimum load 0.5A)

#### REVISIONS

DOC. NO. SPC-F005 \* Effective: 12/21/98 \* DCP No: 680

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	6/10/02	HO	6/12/02	DJC	6/12/02

#### Features:

- Four Digital Panel Meters
- Triple Output
- Auto-Tracking
- Auto-Series and Parallel Operation
- Constant Voltage and Constant Current Operation
- Low Ripple and Noise
- Internal Select for Continuous or Dynamic Load
- Overload and Reverse Polarity Protection
- One year limited warranty



#### Operation Mode

Independent:	Two variable outputs 0~30V, 0~3A; one fixed output 5V, 3A
Series:	60V, 3A
Parallel:	30V, 6A

#### Constant Current Operation

Regulation:	Line regulation $\leq 0.2\% + 3\text{mA}$
	Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current:	$\leq 3\text{mA}$

#### Meters (4)

Digital:	3 1/2 digits 0.39" LED display
	Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ Digits})$

#### Insulation

Chassis & Terminal	20Megohm or above (DC 500V)
Chassis & AC Cord	30Megohm or above (DC 500V)

#### Power Source

	AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz
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#### Accessories

	Instruction Manual
	Power Cord
	Test Leads

#### Dimensions

	255mm(W) x 145mm(H) x 335mm(D)
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**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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jeff McVicker	6/10/02
CHECKED BY:	DATE:
Hisham Odish	6/12/02
APPROVED BY:	DATE:
Daniel Carey	6/12/02

**TENMA®**

DRAWING TITLE:  
Quad Digital Display Triple Output Power Supply

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6615	50N1374	A
SCALE: NTS	U.O.M.: Millimeters	SHEET: 1	OF 1