

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

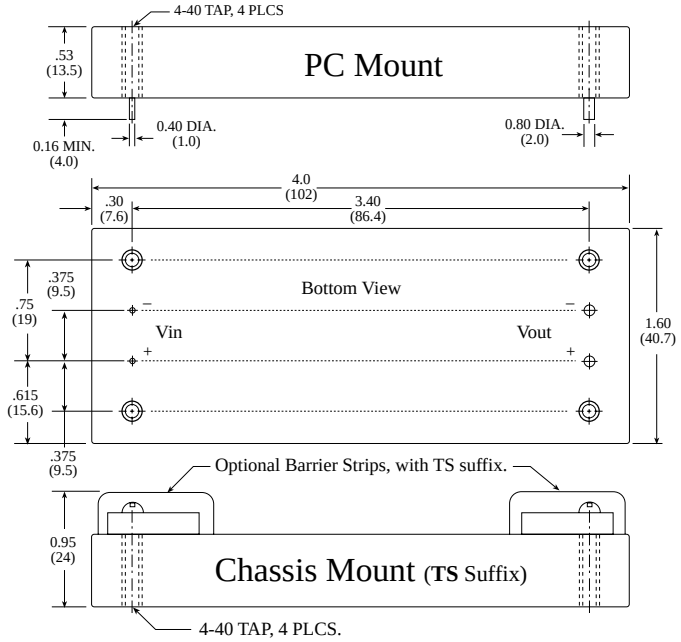
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- ITAR-certified secure asset solutions

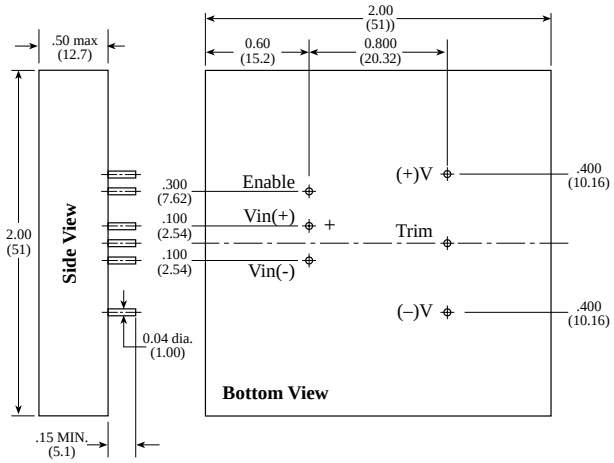
Expert team | Trust guarantee | 100% satisfaction

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INPUT SPECIFICATIONS

Input Voltage Range ..... See Table
Input Filter ..... Low E.S.R. Capacitors
Reverse Voltage Protection ..... Shunt Diode, External Fuse Required

OUTPUT SPECIFICATIONS

(10% minimun load required)
Voltage Accuracy ..... ±1.0%, max.
Line Regulation, Low Line to High Line ..... ±0.2%, max.
Load Regulation: (10% Load to Full Load) ..... ±1.0%, max.
Short Circuit Protection ..... Current Limit
Transient Response, 50% Load Change ..... ≤200µSec.
Ripple & Noise, 20MHz BW ..... ≤1%Vout or 75mVp-p

GENERAL SPECIFICATIONS

Temperature Coefficient ..... ±0.02%/°C, max.
Efficiency:
5Vout ..... 80%, typ.
12Vout ..... 82%, typ.
24vout ..... 84%. typ.
Isolation Voltage: (Input to Output) ..... 500Vdc, min.
Switching Frequency ..... 200KHz, typ.
Thermal Resistance ..... 7.0°C/Watt Dissipate
Operating Case Temperature Range ..... –25°C to +85°C
Cooling ..... Free-Air Convection
Storage Temperature Range ..... –55°C to +105°C
Humidity ..... 20% to 95% R.H. (non-condensing)
Dimensions ..... 1.60" x 4.0" x 0.53"
Weight ..... 3.6 Oz. (102 grams)
Case Material ..... Black Coated Metal
(PC Board Mount Unit With Non-Conductive Seating Surface)

*Optional: Terminal Strips - TS suffix.

INPUT SPECIFICATIONS

Input Voltage Range ..... See Table
Input Filter ..... Π (PI) Filter
Enable (On/Off) Control: (Source or Sink Current < 1mA)
Enable (On) Control ..... ≤1.8Vdc or Open Circuit
Disable (Off) Control ..... 500KΩ Resistor to +Vin
Reverse Voltage Protection ..... Shunt Diode, External Fuse Required

OUTPUT SPECIFICATIONS

(10% min. load on both outputs)
Voltage Accuracy, ... ±1%, max.
Output Current ..... See Table
Output Trim ..... ±10%, max.
Trim High ..... Trim Pin to (-)V
Trim Low ..... Trim Pin to (+)V
Over Voltage Protection ..... +115% to +125% Vout
Line Regulation, Low Line to High Line ..... ±0.1% max.
Load Regulation, 10% Load to Full Load ..... ±1.0%, max.
Short Circuit Protection ..... Primary Side Power Limit @ about 20W
Transient Response, 25% Load Change ..... ≤ 200µSec.
Ripple & Noise, with External 33µF Low ESR Capacitor ..... ≤ 1% Vout

GENERAL SPECIFICATIONS

Operating Frequency ..... 110±10KHz
Efficiency @ Full Load ..... 80%, min.
Temperature Coefficient ..... ±0.02%/°C, max.
Isolation Voltage, Input to Output ..... 500Vdc, min.
Thermal Resistance ..... 8°C/Watt Dissipate
Operating Case Temperature Range ..... –25°C to +90°C
Cooling ..... Free Air Convection
Storage Temperature Range ..... –55°C to +105°C
Humidity, non-condensing ..... 20% to 95% R.H.
Dimensions ..... See Drawing
Weight : ..... 3 Oz (80 g)
Case Material ..... Black Coated Metal

OUTPUT VOLTAGE	OUTPUT CURRENT	WATT	MODEL NUMBER		
			10 - 15 Vdc IN	20 - 30 Vdc IN	40 - 60 Vdc IN
48V	320mA	15	FH15S1248	FH15S2448	FH15S4848
110V	130mA	15	FH15S12110	FH15S24110	FH15S48110

OUTPUT VOLTAGE	OUTPUT CURRENT	WATT	MODEL NUMBER				
			9 - 18 Vdc IN	18 - 36 Vdc IN	36 - 75 Vdc IN	10 - 36 Vdc IN	18 - 75 Vdc IN
3.3V	6A	20	H30S1203	H30S2403	H30S4803	HW30S2403	HW30S4803
3.3V	10A	33	H50S1203	H50S2403	H50S4803	-	-
5V	6A	30	H30S1205	H30S2405	H30S4805	HW30S2405	HW30S4805
5V	10A	50	H50S1205	H50S2405	H50S4805	-	-
9V	3.3A	30	H30S1209	H30S2409	H30S4809	HW30S2409	HW30S4809
9V	6.7A	60	H60S1209	H60S2409	H60S4809	-	-
12V	2.5A	30	H30S1212	H30S2412	H30S4812	HW30S2412	HW30S4812
12V	5A	60	H60S1212	H60S2412	H60S4812	-	-
15V	2A	30	H30S1215	H30S2415	H30S4815	HW30S2415	HW30S4815
15V	4A	60	H60S1215	H60S2415	H60S4815	-	-
24V	1.25A	30	H30S1224	H30S2424	H30S4824	HW30S2424	HW30S4824
24V	2.5A	60	H60S1224	H60S2424	H60S4824	-	-

Other input/output combinations are available, please consult factory.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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