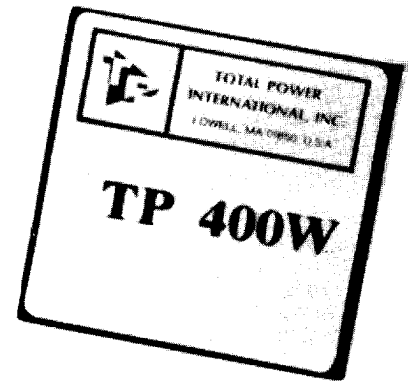


TOTAL POWER INTERNATIONAL, INC.

5 WATTS 3:1 & 4:1 INPUT RANGE SINGLE and DUAL OUTPUTS DC - DC CONVERTERS

TP 400W SERIES**Features:**

- 65-75% Efficiency
- Wide Input Range
- Pi Input Filter
- Regulated Outputs
- Low Ripple and Noise
- Short Circuit Protection
- Over Voltage Protection

**Specifications:****Input**

Input Voltage Range	: 3:1 & 4:1
Input Filter	: Pi Network

Output

Voltage/Current Ratings	: See Order Information Table
Line Regulation	: $\pm 0.5\%$ max.
Load Regulation	: $\pm 1\%$ max.
Dielectric Withstand	: 500 VDC min.
Ripple and Noise	: 0.5-1%/p-p max.
Isolation Resistance	: 10^9 ohms
Isolation Capacitance	: 30pF
Efficiency	: 65-75%
Switching Frequency	: 50-70 KHz
Output Protection	: Short Circuit Protection, Continuous : Over Voltage Protection

Environmental

Operating Temperature	: -25C to +71C
Storage Temperature	: -55C to +105C
Temperature Coefficient	: $\pm 0.02\%$ /degree C
EMI/RFI	: Six-Sided Continuous Metal Case

Mechanical

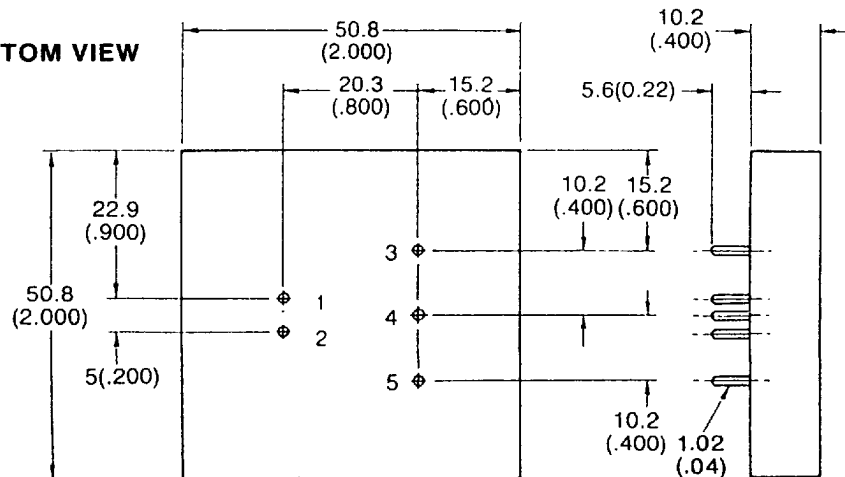
Case Material	: Black Coated Copper Case with Non-Conductive Base
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ORDER INFORMATION TABLE

INPUT VOLTAGE RANGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT (mA)		MODEL NO.
			NO LOAD	FULL LOAD	
9-27	5	1000	100	600	DC-3WR508
9-27	12	400	100	580	DC3WR510
9-27	15	333	100	600	E333-312S15
9-27	± 12	200	100	630	DC-3WR511
9-27	± 15	167	100	630	DC-3WR512
20-60	5	1000	25	160	DC-3WR518
20-60	12	400	25	150	DC-3WR519
20-60	15	333	25	150	DC-3WR520
20-60	± 12	200	25	150	DC-3WR521
20-60	± 15	167	25	150	DC-3WR522
9-36	5	1000	100	555	E101-412S05
9-36	12	400	100	555	E400-412S12
9-36	- 15	333	100	555	E333-412S15
20-72	5	1000	25	278	E101-424S05
20-72	12	400	25	278	E400-424S12
20-72	15	333	25	278	E333-424S15

NOMINAL INPUT VOLTAGE 3:1 INPUT RANGE: 12Vdc, 48Vdc.
4:1 INPUT RANGE: 12Vdc, 24Vdc.

DIMENSION: BOTTOM VIEW



PIN CONNECTIONS:

PIN	SINGLE	DUAL
1	+ INPUT	+ INPUT
2	- INPUT	- INPUT
3	+ OUTPUT	+ OUTPUT
4	NC	COMMON
5	- OUTPUT	- OUTPUT