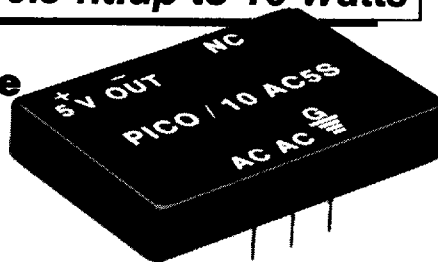


**SERIES 10AC**  
**Hi Reliability**  
**Hi Efficiency/Isolated**  
**Single, Dual and Triple**  
**Outputs**  
**Regulated**  
**10 Watt AC-DC**  
**Switchers**

**Lowest Profile!**  
**0.5" ht. up to 10 Watts**



**10 Watt AC-DC Switchers**

**FEATURES:**

- Low Profile 0.500"
- Low weight
- Encapsulated semiconductors, conservatively rated for maximum reliability.
- Excellent voltage regulation
- Excellent load regulation
- Up to 10 watts output power at 70°C ambient
- Low output ripple
- Isolation 1200V RMS
- Single, Dual, Triple Outputs
- No heat sink required
- Miniature size
- No output capacitor required
- Shielding

T-57-05

**No Heat Sink or Electrical Derating Required**

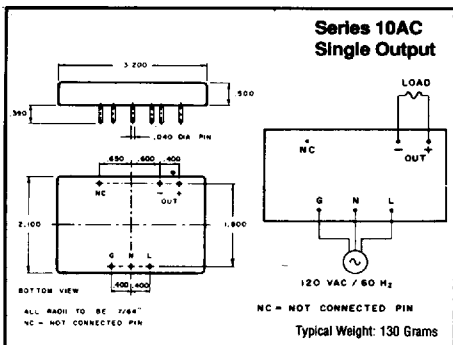
**OPTIONS AVAILABLE PER MIL-STD-883**

- Expanded operating temp (-55°C to +85°C)
- Stabilization Bake (125°C ambient)
- Temperature Cycle (-55°C to +125°C)
- Hi Temp, burn in

**Low Capacity Option**  
 All units can be manufactured with isolation capacity of 50pF. Contact factory.

**TYPICAL CHARACTERISTICS:**  
 Test conditions: 25°C ambient  
 Input voltage: 90-130VAC (47-440Hz)  
 Line/load Regulation: See specifications below  
 Converter frequency: 25-35 KHz typ.  
 Operating temperature: -25°C to +70°C ambient  
 Output voltage temperature coefficient: 0.02%/°C  
 Storage temperature: -55°C to +125°C  
 Isolation: 1200V RMS  
 Short circuit protection: Continuous

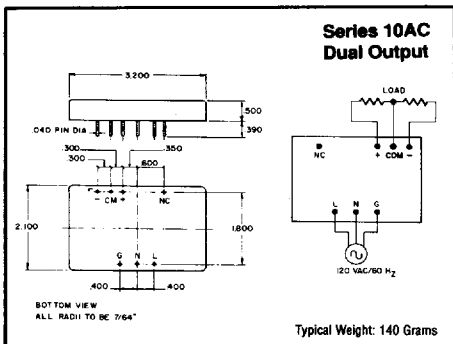
This series of low profile, 10 Watt AC to DC switchers come in 11 different models. These units offer high efficiency and precise regulation throughout the operating temperature range of -25°C to +70°C ambient, with no heat sink or electrical derating required. The 10AC series keeps a maximum 0.500" height while still offering you 1200 volts RMS isolation in a rugged encapsulated case. The convenience of PC mounting and the availability of three outputs should aid your circuit design.



**SERIES 10AC SINGLE OUTPUT**  
**INPUT VOLTAGE 90-130VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-400Hz\*\*)**

PICO PART NUMBER	OUTPUT VOLTAGE VDC	MAX. LOAD CURRENT mA	MAX. OUTPUT POWER (watts)	EFF. @ FULL LOAD TYPICAL (%)*	OUT VOLT RIPPLE @ FULL LD. 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	V LD. REG. 10%-100% LOAD † (±%)*	LINE REGULATION (±%)*	PRICE 1-24
10AC5S	5	2000	10	75	50	0.5	0.5	0.2	199.00
10AC12S	12	833	10	77	50	0.5	0.5	0.2	199.00
10AC15S	15	666	10	79	50	0.5	0.5	0.2	199.00
10AC24S	24	416	10	80	50	0.5	0.5	0.2	199.00

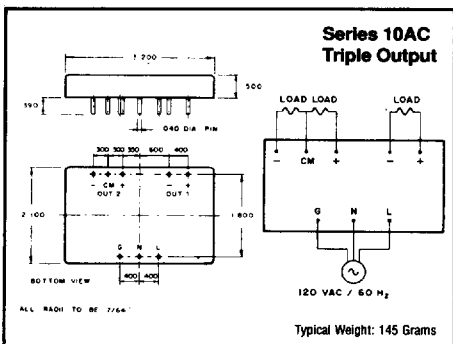
\*Readings taken at 115VAC-60Hz  
 † = 10% minimum load required  
 \*\*All units available with 170-240VAC input. Add H, prefix to part number-\$40 per unit cost added.



**SERIES 10AC DUAL OUTPUT**  
**INPUT VOLTAGE 90-130VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-400Hz\*\*)**

PICO PART NUMBER	OUTPUT VOLTAGE VDC	MAX. LOAD CURRENT mA PER OUTPUT	MAX. OUTPUT POWER (watts) PER OUTPUT	EFF. @ FULL LOAD TYPICAL (%)*	OUT VOLT RIPPLE @ FULL LD. 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	V LD. REG. 10%-100% LOAD † (±%)*	LINE REGULATION (±%)*	PRICE 1-24
10AC5D	±5	1000	5	75	50	0.5	0.5	0.2	224.00
10AC12D	±12	417	5	77	50	0.5	0.5	0.2	224.00
10AC15D	±15	333	5	80	50	0.5	0.5	0.2	224.00

\*Readings taken at 115VAC-60Hz  
 † = 10% minimum load required  
 \*\*All units available with 170-240VAC input. Add H, prefix to part number-\$40 per unit cost added.



**SERIES 10AC TRIPLE OUTPUT**  
**INPUT VOLTAGE 90-130VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-400Hz\*\*)**

PICO PART NUMBER	MAIN OUTPUT VOLTAGE					AUXILIARY OUTPUT VOLTAGE					EFF. @ FULL LOAD TYPICAL (%)	PRICE 1-24
	OUTPUT VOLTAGE DC	MAX LOAD CURRENT mA OUTPUT	MAX OUTPUT POWER (watts) OUTPUT	V LD. REG. 25-100% LOAD (±%)*	OUT VOLT RIPPLE @ FULL LD. 1-1 MHz BW mv p-p*	OUTPUT VOLTAGE DC PER OUTPUT	MAX. LOAD CURRENT mA PER OUTPUT	MAX. OUTPUT POWER (watts) PER OUTPUT	VOLT. LOAD REG. 25-100% LOAD † (±%)*	OUTPUT RIPPLE @ FULL LD. 1-1 MHz BW mv p-p*		
10AC5T12	5	1400	7	0.5	50	±12	125	1.5	5	50	77	249.00
10AC5T15	5	1400	7	0.5	50	±15	100	1.5	5	50	77	249.00
10AC12T5	12	583	7	0.5	50	±5	300	1.5	5	50	77	249.00
10AC15T5	15	466	7	0.5	50	±5	300	1.5	5	50	79	249.00

Common Characteristics  
 Main Output Voltage Tolerance ±0.5%\*  
 Main Line Regulation ±0.2%  
 Common Characteristics  
 Auxiliary Output Voltage Tolerance ±5%\*  
 Auxiliary Line Regulation ±0.2%  
 \*Measurements taken at 115VAC-60Hz  
 † = 10% minimum load required  
 \*\*All units available with 170-240VAC input. Add H, prefix to part number-\$40 per unit cost added.

**Delivery—**  
**stock to one week**

For immediate engineering assistance or to place an order—Call Toll Free 800-431-1064

**PICO Electronics, Inc.**

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