

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

**TYPICAL CHARACTERISTICS:**

Test conditions: 25°C ambient

Input voltage: 90-130VAC Or 170-240 VAC (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

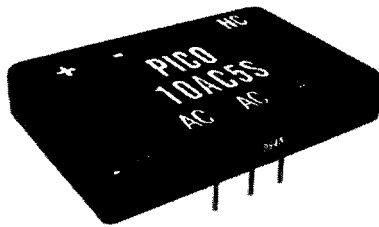
Isolation: 1200V RMS

Short circuit protection:

Continuous

Now Available  
 170-240  
 VAC Input

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



**OPTIONS AVAILABLE**

- 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

**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 and dual outputs
- No heat sink required
- Miniature size
- No output capacitor required
- Shielding

**No Heat Sink  
 or Electrical  
 Derating Required**

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 10 AC 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.

**SERIES10AC SINGLE OUTPUT**  
**INPUT VOLTAGE 90-130 VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-440 Hz\*\*)**

PICO PART NUMBER	OUTPUT VOLTAGE VDC	MAX. LOAD CURRENT (mA)	MAX. OUTPUT POWER (WATTS)	EFF. @ FULL LOAD TYPICAL (%)	OUTPUT RIPPLE @ FULL LOAD 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	VLD 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 \*\*All units available with 170-240VAC Input. Add H. prefix to part number \$40 per unit cost added. † = 10% minimum load required

**SERIES10AC DUAL OUTPUT**  
**INPUT VOLTAGE 90-130 VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-440 Hz\*\*)**

PICO PART NUMBER	OUTPUT VOLTAGE VDC	MAX. LOAD CURRENT (mA) PER OUTPUT	MAX. OUTPUT POWER (WATTS) PER OUTPUT	EFF. @ FULL LOAD TYPICAL (%)	OUTPUT RIPPLE @ FULL LOAD 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	VLD 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 \*\*All units available with 170-240VAC Input. Add H. prefix to part number \$40 per unit cost added. † = 10% minimum load required

**SERIES10AC TRIPLE OUTPUT**  
**INPUT VOLTAGE 90-130 VAC (47-440Hz)**  
**(OPTIONAL 170-240VAC, 47-440 Hz\*\*)**

PICO PART NUMBER	MAIN OUTPUT VOLTAGE				AUXILIARY OUTPUT VOLTAGE							PRICE 1-24
	OUTPUT VOLTAGE VDC	MAX. LOAD CURRENT mA	MAX. OUTPUT POWER (WATTS)	VLD REG 25% - 100% LOAD (±%)*	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 LOAD 1-1 MHz BW mv p-p	EFF. @ FULL LOAD TYPICAL (%)		
10AC5T12	5	1400	7	0.5	±12	125	1.5	5	50	77	249.00	
10AC5T15	5	1400	7	0.5	±15	100	1.5	5	50	77	249.00	
10AC12T5	12	583	7	0.5	±5	300	1.5	5	50	77	249.00	
10AC15T5	15	488	7	0.5	±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 ± 0.5%  
 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.

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

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Delivery -  
 stock to one week

