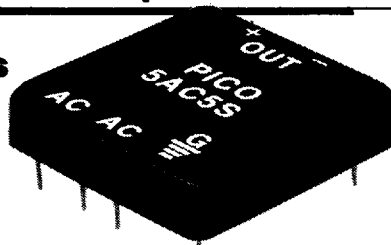


SERIES 5AC**Hi Reliability****Hi Efficiency/Isolated****Single and Dual Outputs****Regulated****5 Watt AC-DC Switchers****Lowest Profile!**
0.5"ht. up to 5 Watts**TYPICAL CHARACTERISTICS:**

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

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.**No Heat Sink or Electrical Derating Required****5 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 5 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

This series of low profile, 5 Watt AC to DC switchers come in 7 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 5 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.

T-57-05**SERIES 5AC SINGLE OUTPUT/INPUT VOLTAGE 90-130VAC (47-440Hz)**
(OPTIONAL 170-240VAC, 47-400Hz)**

PICO PART NUMBER	OUTPUT VOLTAGE RANGE	MAX. LOAD CURRENT mA	MAX. OUTPUT POWER (watts)	EFF. @ FULL LOAD TYPICAL (%)*	OUT VOLT RIPPLE @ FULL L.D. 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	V.L.D. REG. 10%-100% LOAD † (±%)*	LINE REGULATION (±%)*	PRICE 1-24
5AC5S	5	1000	5	72	50	0.5	0.5	0.2	189.00
5AC12S	12	417	5	75	50	0.5	0.5	0.2	189.00
5AC15S	15	333	5	75	50	0.5	0.5	0.2	189.00
5AC24S	24	208	5	76	50	0.5	0.5	0.2	189.00

*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.

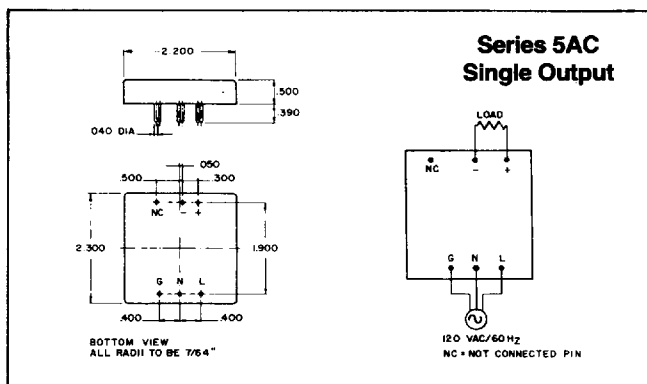
SERIES 5AC DUAL OUTPUT/INPUT VOLTAGE 90-130VAC (47-440Hz)
(OPTIONAL 170-240VAC, 47-400Hz)**

PICO PART NUMBER	OUTPUT VOLTAGE RANGE	MAX. LOAD CURRENT mA PER OUTPUT	MAX. OUTPUT POWER (watts) PER OUTPUT	EFF. @ FULL LOAD TYPICAL (%)*	OUT VOLT RIPPLE @ FULL L.D. 1-1 MHz BW mv p-p	OUT VOLT TOLERANCE (±%)*	V.L.D. REG. 25%-100% LOAD † (±%)*	LINE REGULATION (±%)*	PRICE 1-24
5AC5D	±5	500	2.5	72	50	0.5	0.5	0.2	214.00
5AC12D	±12	209	2.5	75	50	0.5	0.5	0.2	214.00
5AC15D	±15	167	2.5	75	50	0.5	0.5	0.2	214.00

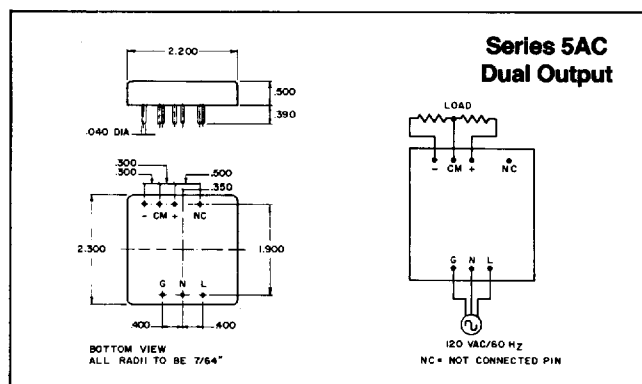
*Readings taken at 115VAC-60Hz

† = 10% minimum load required

**All units available with 170-240VAC Input. Add H, prefix to part number-\$40 per unit cost added.



Typical Weight: 130 Grams



Typical Weight: 145 Grams

Delivery—
stock to one week

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

PICO Electronics, Inc.

453 N. MacQuesten Pkwy., Mt. Vernon, N.Y. 10552 • 914-699-5514 • FAX 914-699-5565