

# F R A O 3 2

S E R I E S

## 20 ~ 32 Watts Single Output AC-DC Adaptor DeskTop Type

### FEATURES

- ◆ Universal Input
- ◆ Desktop style, class I & Class II
- ◆ Single and dual output available
- ◆ No load power consumption (@no load) < 0.075W
- ◆ Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5

### SPECIFICATIONS

Input Voltage Range..... 90~264VAC  
 Input Current (rms)..... 1.0A Max.  
 Withstand Voltage..... I/P-O/P: 3000 VAC (Class II)  
 I/P-O/P(V+): 4242 VDC, I/P-FG: 2121 VDC (For Class I)  
 Efficiency..... 82% typ. at full load \*  
 Output Voltage..... See model list  
 Voltage Regulation..... Single Output ± 5% Max.  
 FRA032-S03-X +7% Max.  
 Dual Output 3.3V ± 7% max, others ± 5% Max.  
 Max Power..... 32W  
 Operating Temperature..... -10°C ~ +60°C  
 (derated linearly from 100% load @ 40°C to 50% load @ 60°C)  
 Storage Temperature..... -20°C ~ 85°C  
 Operating Humidity..... 20% to 90% RH  
 Protections..... OVP, OLP, short circuit protection  
 Safety Standard..... IEC/UL/EN 62368-1, CE, CB  
 EMC Standard..... (EN55032, CISPR22, FCC Part 15) class B,  
 EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55035  
 MTBF.....calculated per MIL-HDBK-217F @ 25°C GB >100,000Hrs  
 Standard Output Connector..... DC barrel jack  
 Standard Output Cable/Length..... UL1185 or UL1571 / 1.0M

\* This data is taken after 30 mins. burn-in ; except 3.3V & dual output  
 All specifications are typical at nominal line, full load and 25°C,  
 unless otherwise noted.



Model Number	Output #1		Output #2		Max. Watts	EFF. Level	LPS
	Vol. (V)	Current (A)	Vol. (V)	Current (A)			
FRA032-S05-x	5~5.9	4.17~5.00			25	VI	V
FRA032-S07-x	7~8.0	4.28~3.75			30	VI	V
FRA032-S09-x	8~11	3.75~2.73			30	VI	V
FRA032-D17-x	5.0	0.20~2.50	24	0.20~1.25	32		

#### Ordering Information:

x= AC Inlet Type Code

x= 4, IEC320 C14 x= 6, IEC320 C6 x= 8, IEC320 C8

#### Note:

For multi output models, each output can load to it's max. current but total power wattage shall not exceed max. output wattage.

### MECHANICAL DRAWING (Unit: mm)

