

FARM AC/DC Front End

500-1000 WATTS - FILTER/AUTORANGING RECTIFIER MODULE

FEATURES

- Autoranging 115/230VAC input
- EMI filtering
- 500W to 100W models
- Inrush current limiting
- 96% Efficiency
- Mini sized package
- Power fail signal
- Module enable
- Safety agency approvals
- RoHS option



PRODUCTION INFORMATION

The FARM (Filter/Autoranging Rectifier Module) is an AC front which provides EMI filtering, autoranging line rectification, transient protection and inrush current limiting. The FARM is available in either 500/750W or 750/1000W models in a mini sized package measuring only 57.9x55.9x12.7mm.

The FARM interfaces directly with worldwide AC mains and may be used with Vicor 300 V input DC/DC converters to realize an autoranging, high density, low profile switching power supply. The FARM includes a microcontroller that continuously monitors the AC line to control bridge / doubler operation. The user need only provide external capacitance to satisfy system hold-up requirements.

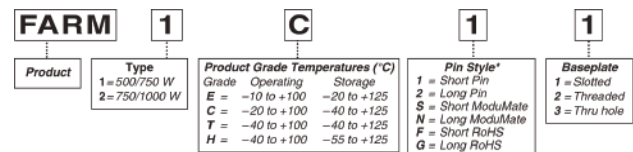
SPECIFICATIONS

GENERAL		
Input voltage	90-132/180-264VAC	
Parameter	FARM1	FARM2
Output power rating	500W	750W:(90-132Vac)
		1000W:(180-264Vac)
Efficiency	96% typical	

STANDARDS	
Safety	UL60950, EN60950, CSA60950
EMC Immunity	EN61000-4-5, EN61000-4-11, EN61000-3-3
MECHANICAL	
Dimensions	579 x 36.8 x 12.7mm

TYPICAL APPLICATION

PART NUMBERING



*Pin styles S, N, F & G are compatible with the ModuMate interconnect system for socketing and surface mounting.

