

PFC Micro MI

New Rugged COTS PFC Micro



PFC Micro MI Features

- ▶ **Input voltage**
85 – 264 Vac universal, 47 – 500 Hz
100 – 380 Vdc
- ▶ **Up to 6 configurable outputs**
- ▶ **Vibration:**
MIL-STD-810 minimum integrity
- ▶ **Shock:**
MIL-STD-810 40 G functional shock
- ▶ **Conducted emissions:**
EN55022 Class A
Class B configuration dependent
- ▶ **Operating temperature:**
-20°C to 50°C @ full power
-40°C to 50°C @ full power (optional)
- ▶ **Maximum output power:**
500 W @ 115 Vac
800 W @ 230 Vac
- ▶ **Power factor:** 0.98 typical
(>75% load)
- ▶ **Fan cooled**
- ▶ **Meets MIL-STD-704F and MIL-STD-1399C for transients and overvoltage**
- ▶ **Optional conformal coating**

General Specifications

Size	10.4 x 5.06 x 1.8 in. (264,1 x 128,5 x 47,3 mm)
Modules complement	VI-200, VI-J00, Maxi, Mini, Micro
Harmonic distortion	EN61000-3-2
Voltage fluctuations and flicker	EN61000-3-3
ESD susceptibility	EN61000-4-2, Level 4, Performance Criteria A
Radiated susceptibility	EN61000-4-3, Level 4, Performance Criteria A
EFT/Burst	EN61000-4-4, Level 4, Performance Criteria B
Surge immunity	EN61000-4-5, Installation Class 3, Performance Criteria B
RF common mode	EN61000-4-6, Performance Criteria A
Voltage dips and interrupts	EN61000-4-11, Performance Criteria B
Input current	7.5 A rms max.
Input frequency	47 – 500 Hz
Inrush current	7 A pk @ 115 Vac; 14 A pk @ 230 Vac
Dielectric withstand	Primary to Chassis GND = 2,121 Vdc; Primary to Secondary = 4,242 Vdc; Secondary to Chassis GND = 750Vdc
Output ripple and noise Standard	2% or 100 mV whichever is greater
Load regulation VI-2 / VI-J	± 0.2%; 10% to full load ± 0.5%; No load to 10% load
Load regulation Maxi, Mini, Micro	± 0.1% of Vnom; No load to full load
Efficiency	>75% typical
Weight	5.2 lbs. (2.4 kg) max.
Safety agency approvals	UL, cTÜVus, CE Marked and CB report
Warranty	2 years limited warranty