

90 Watt Single Output AC-DC Miniature Encapsulated Type Module



FEATURES

- ◆ No load power consumption < 0.21W
- ◆ Miniature size, high power density
- ◆ Universal AC input / Full range
- ◆ Protection: Short circuit / OLP / OVP
- ◆ Cooling by free air convection
- ◆ Isolation Class II
- ◆ Comply with EN55032 class B w/o any additional components
- ◆ Fully isolated plastic case
- ◆ Withstand 5G vibration test
- ◆ Low cost, high reliability
- ◆ 3 years warranty
- ◆ 100W peak for 10sec.

SPECIFICATIONS

Input Voltage 80~ 305VAC
 Inrush current (Typ.) cold start, 30A@115VAC, 65A@230VAC
 Overload protection 115%~160%
 Over voltage protection 105%~135% rated output voltage
 Setup, rise, hold up time 1000ms, 30ms, 30ms @230VAC/10ms @115VAC
 Leakage current Less than 0.25mA @240VAC
 Withstand voltage I/P-O/P: 4KVAC
 Operating Temperature -30°C to +80°C
 Safety Standard meets UL62368-1
 EMC Standard EN55032 Class B, EN61000-3-2,3,
 EN55035, EN61000-6-2, EN61000-4-2, 3, 4, 5, 6, 8, 11
 Connection 4 industrial pins
 Dimension (L x W x H) (PCB) : 87.0 x 52.0 x 29.5 mm
 Dimension (L x W x H) (Screw) : 109.0 x 52.0 x 33.5 mm

Model Number	Output Voltage (VDC)	Output Current(A)		Voltage Tolerance	R & N	EFF. %
		Convec tion	Peak (10 sec.)			
FMM090-S12-P/T	12	6.70	7.37	± 2.0 %	120mV	92.0
FMM090-S15-P/T	15	5.67	6.23	± 2.0 %	150mV	92.5
FMM090-S24-P/T	24	3.75	4.13	± 2.0 %	200mV	93.0
FMM090-S48-P/T	48	1.88	2.07	± 2.0 %	240mV	93.0

Peak Power: 33% Duty cycle maximum within every 30 seconds.

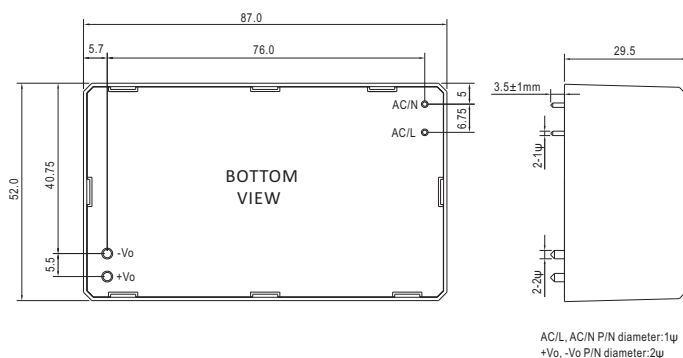
Average output power should not exceed the rated power.

Remark: P = PCB mounting style

T = Screw terminal style

MECHANICAL DRAWING (Unit: mm)

• PCB Mounting Type



• Screw Terminal Type

