MAF 08 Series

6-24 WATTS SINGLE & DUAL OUTPUT DC/DC INDUSTRIAL

Features

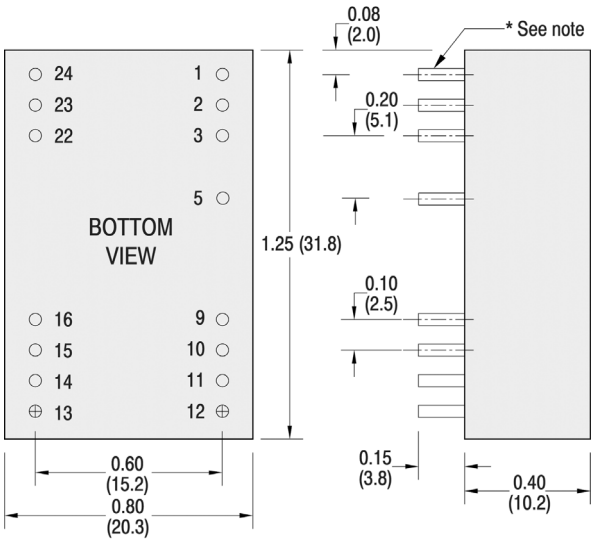
- **Non-isolated input-output**
- **24-pin DIP Package**
- **Efficiency to 94%**
- **Regulated outputs**
- **Input LC filter**



Specifications

INPUT	
Nominal voltage	5V, 12V, 24V.
Voltage range	4.7-6V, 9-32V, 16-32V, 19-32V.
Input filter	LC Type.
OUTPUT	
Power	6W to 24W.
Regulation	Line:±0.5%. Load:Single: ±0.5 %. Dual: ±1%. Single output models require 10% min load to meet specification. Dual output models require 25% min load to meet specification.
Setting accuracy	±2%
Short circuit protection	Fold-back. Approx 80% of output current at short circuit.
Ripple and noise, 20MHz	3.3/5V:
Overcurrent protection	120% to 150%.
Temperature coefficient	0.05%°C.
Efficiency	See table.
ENVIRONMENTAL	
Operating temperature	-25°C to +71°C.
Storage temperature	-40°C to +100°C.
Case temperature	Max 100°C.
GENERAL	
MTTF	200 000 hours at 25°C ambient.
Switching frequency	150KHz typ.
Isolation voltage	Non-isolation.
Case	Black coated copper with non-conductive base.
Dimensions (H x W x L)	31.8 x 20.3 x 10.2 mm.
STANDARDS	
EMI standard	EN55022 Class B
C-Tick	AS/NZS CISPR11 Group 1 Class A

Technical Illustrations



* Pin size is 0.020" Inch (0.5mm) DIA or 0.0200x0.14 Inch
All dimensions are in Inches (mm)

powerbox

MAF 08 Series

6 - 2 4 W A T T S S I N G L E & D U A L O U T P U T D C / D C I N D U S T R I A L

Selection Table

POWERBOX ARTICLE NUMBER	INPUT VOLTAGE VDC	OUTPUT VOLTAGE VDC	OUTPUT CURRENT MA	INPUT CURRENT NO LOAD MA	INPUT CURRENT FULL LOAD MA	EFFICIENCY %	OUTPUT POWER W
MAF 08 003	4.7-6	3.3	2000	13	1535	86	6.6
MAF 08 006	9-32	3.3	2000	15	647	85	6.6
MAF 08 009	9-32	5	2000	15	947	88	10
MAF 08 012	9-32	12	833	15	954	87	10
MAF 08 015	9-32	15	667	15	957	87	10
MAF 08 018	16-32	12	1600	15	860	93	19.2
MAF 08 021	19-32	15	1600	15	1053	94	24

Standard Pin Connection

PIN	
1	NP
2	-V Input
3	-V Input
9	-V Output
10	NC
11	+V Output
12	NP
24	NP
23	+V Input
22	+V Input
16	-V Output
15	NC
14	+V Output
13	NP

NC = No connection with pin.
NP = No pin.