

# MAD 26 Series

10 WATTS - DC/DC SINGLE & MULTIPLE OUTPUT

## FEATURES

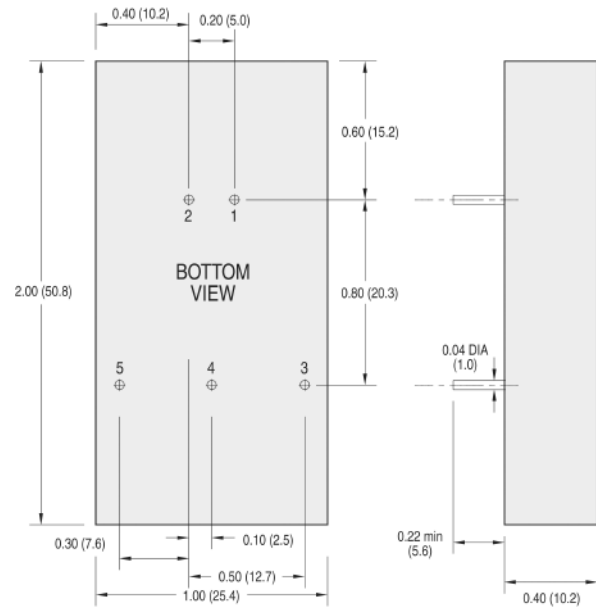
- 4:1 Input range
- Pi input filter
- Continuous short circuit protection
- Regulated output
- Meet EN55022 class A
- 500 VDC isolation
- 24-pin DIP Package
- Efficiency to 82%
- Six-sided shield metal case



## SPECIFICATIONS

INPUT	
Nominal voltage	24V, 48V.
Voltage range	9-36V, 18-72V.
Isolation	500VDC.
Filter	PI-type
OUTPUT	
Power	10W.
Regulation	Line: $\pm 0.2\%$ max Load: $\pm 1.0$ max
Load transient response	<480 $\mu$ s.
Setting accuracy	$\pm 1\%$ .
Ripple and noise	Max. 75 mVp-p.
Short circuit protection	Fold-back. Approx 80% of output current at short circuit.
Temp coefficient	$\pm 0.02\%$ /°C.
Efficiency	77% to 82%.
ENVIRONMENTAL	
Operating temperature	-25°C to +71°C.
Storage temperature	-40°C to +100°C.
Cooling	Convection.
GENERAL	
MTTF	200 000 hours at 25°C ambient.
Switching frequency	Min. 200 kHz.
Equivalent capacitance	3000 pF.
Case	Black coated copper with non-conductive black base.
Dimensions (H x W x L)	10.2 x 25.4 x 50.8 mm.
Weight	35g.
STANDARDS	
EMI standards	EN55022 class A.

## TECHNICAL ILLUSTRATION



All dimensions in Inches (mm)

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## SELECTION TABLE

POWERBOX ARTICLE NUMBER	INPUT VOLTAGE VDC	OUTPUT VOLTAGE VDC	OUTPUT CURRENT MA	INPUT CURRENT NO LOAD MA	INPUT CURRENT FULL LOAD MA
MAD 26 001	9-36	3.3	2000	15	362
MAD 26 003	9-36	5	2000	15	540
MAD 26 006	9-36	12	830	15	520
MAD 26 009	9-36	15	667	15	520
MAD 26 015	9-36	±12	415	20	520
MAD 26 018	9-36	±15	333	20	520
MAD 26 021	18-72	5	2000	10	270
MAD 26 024	18-72	12	830	10	260
MAD 26 027	18-72	15	666	10	260
MAD 26 033	18-72	±12	415	15	250
MAD 26 036	18-72	±15	333	15	250

## PIN CONNECTION

PIN	FUNCTION
1	+V Input
2	-V input
3	+V Output
4	Common/NP
5	-V Output

NP = No pin on single output.