MAD 26 Series

10 WATTS SINGLE & DUAL OUTPUT DC/DC INDUSTRIAL

Features

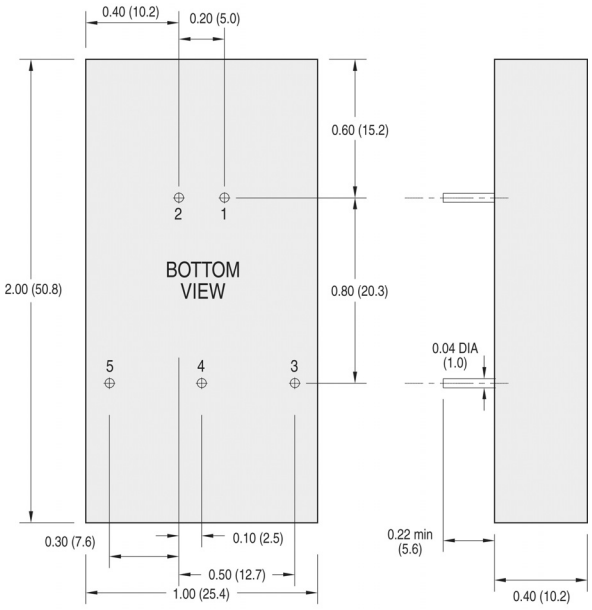
- **4:1 Input range**
- **Meet EN55022 class A**
- **500 VDC isolation**
- **24-pin DIP Package**
- **Efficiency to 80 %**
- **Six-sided shield**



Specifications

INPUT	
Nominal voltage	24V, 48V.
Voltage range	9-36V, 18-72V.
Isolation	500VDC.
Filter	PI-type
OUTPUT	
Power	10W.
Regulation	Line: ±0.2% max Load: ± 1.0 max
Load transient response	<480µs.
Setting accuracy	± 1%.
Ripple and noise	Max. 75 mVp-p.
Short circuit protection	Fold-back. Approx 80% of output current at short circuit.
Temp coefficient	±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.
C-Tick	AS/NZS CISPR11 Group 1 Class A

Technical Illustration



All dimensions in Inches (mm)

powerbox

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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.