

MD200 SERIES 20W WIDE INPUT RANGE

FEATURES

- 20W DIL PACKAGE
- REGULATED OUTPUT
- HIGH EFFICIENCY
- 100% BURN IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILABLE
- 3 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-2% max	Input Voltage Range	2:1-4:1 Input Range	Efficiency	78% min
Temperature Coefficient	+/-0.05%/°C	Input Filter	Pi Network	Isolation Voltage	1500VDC min
Ripple & Noise(20MHz BW)	150mVp-p max	Protection	Fuse Recommended	Isolation Resistance	10 ⁹ ohms min
Line Regulation	+/-0.5% max	ENVIRONMENTAL SPECIFICATIONS		Isolation Capacitance	550pF max
Load Regulation	+/-0.5% max	Operating Temperature	-40°C to +71°C	Switching Frequency	150KHz min
Minimum Load	10% of Full Load	Storage Temperature	-55°C to +125°C	MTBF	>700,000 Hours
Short Circuit Protection	Continuous	Cooling	Free-Air Convection	Case Material	Six-Side Shielded Case
Transient Response	300uS max	Humidity	95% max	Weight	31.2g typ.

● 2:1 20W OUTPUT

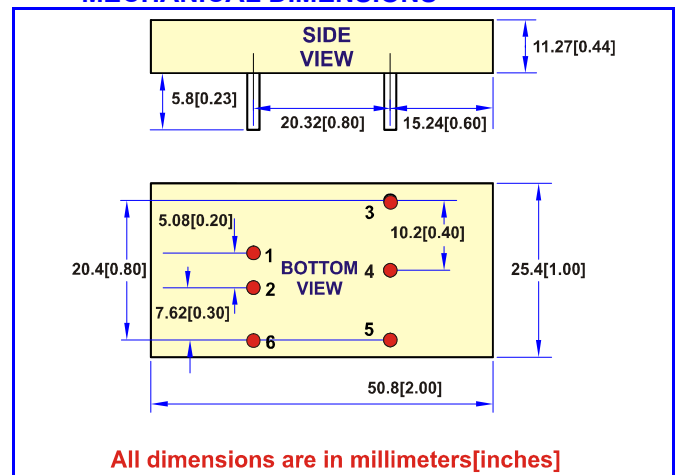
MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLTAGE (VDC)	CURRENT (mA)		
MD165-12S3.3	9-18	3.3	5000	79	1500
MD200-12S05	9-18	5	4000	79	1500
MD200-12S12	9-18	12	1660	82	1500
MD200-12S15	9-18	15	1330	82	1500
MD200-12D12	9-18	+/-12	+/-830	80	1500
MD200-12D15	9-18	+/-15	+/-660	82	1500
MD165-24S3.3	18-36	3.3	5000	79	1500
MD200-24S05	18-36	5	4000	79	1500
MD200-24S12	18-36	12	1660	82	1500
MD200-24S15	18-36	15	1330	82	1500
MD200-24D12	18-36	+/-12	+/-830	82	1500
MD200-24D15	18-36	+/-15	+/-660	82	1500
MD165-48S3.3	36-75	3.3	5000	79	1500
MD200-48S05	36-75	5	4000	82	1500
MD200-48S12	36-75	12	1660	82	1500
MD200-48S15	36-75	15	1330	82	1500
MD200-48D12	36-75	+/-12	+/-830	82	1500
MD200-48D15	36-75	+/-15	+/-660	82	1500

● 4:1 20W OUTPUT

MD200-412S3.3	9-36	3.3	5000	78	1500
MD200-412S05	9-36	5	4000	82	1500
MD200-412S12	9-36	12	1660	83	1500

MD200-412S15	9-36	15	1330	83	1500
MD200-412D12	9-36	+/-12	+/-830	83	1500
MD200-412D15	9-36	+/-15	+/-660	83	1500
MD165-424S3.3	18-75	3.3	5000	78	1500
MD200-424S05	18-75	5	4000	82	1500
MD200-424S12	18-75	12	1660	84	1500
MD200-424S15	18-75	15	1330	84	1500
MD200-424D12	18-75	+/-12	+/-830	84	1500
MD200-424D15	18-75	+/-15	+/-660	84	1500

● MECHANICAL DIMENSIONS



PIN	1	2	3	4	5	6
SINGLE	+Vin	-Vin	+Vout	NP	-Vout	Remote
DUAL	+Vin	-Vin	+Vout	Com.	-Vout	On/Off