



The NEW RELEASE of High Power Density DC/DC Converter

模甸科技 MOTIEN TECHNOLOGY 全新推出新一代

10W之高效率密度直流對直流電源轉換器 – M10A-10W Series



產品特色：

- ✓ 10W 輸出功率 / DIP-16 包裝
- ✓ 4:1超寬輸入電壓範圍
- ✓ 無需外部元件即可符合EN55032 Class A法規
- ✓ 連續保護短路裝置
- ✓ 效率高達 87%
- ✓ 1600 VDC 隔離電壓



M10A 系列與模甸科技現有 10W 各包裝產品比較：

	M10A	VD-10W	VV-10W	V7-10W	V7W-10W
PIN Connections					
Package	DIP16	DIP24	DIP24	2" x 1"	2" x 1"
Dimensions	0.94" x 0.54" x 0.41"	1.25" x 0.80" x 0.40"	1.25" x 0.80" x 0.40"	2.0" x 1.0" x 0.4"	2.0" x 1.0" x 0.4"
Pinout compatibility	Incompatible				
Input Voltage Range	4:1	2:1	4:1	2:1	4:1
Output Voltage Accuracy	±1%	±1%	±1.2%	±1%	±1%
Line Regulation	±0.5%	±0.5%	±0.2%	±0.5%	±0.5%
Load Regulation	±1%	±0.5% / ±1%	±0.5% / ±1%	±0.5% / ±1%	±0.5% / ±1%
Minimum Load Required	NO	NO	NO	NO	NO
Ripple & Noise	80mVpk-pk	75mVpk-pk	85mVpk-pk	100mVpk-pk	75mVpk-pk
Under Voltage Lockout	YES	NO	NO	NO	YES
Short Circuit Protection	YES	YES	YES	YES	YES
Over Load Protection	YES	YES	YES	YES	YES
Over Voltage Protection	NO	YES	YES	NO	NO
Remote ON/OFF	NO	NO	YES	NO	YES
Trim	YES	NO	NO	NO	NO
Built-in EN 55032 class A filter	YES	NO	NO	NO	NO
Isolation	1600VDC	1500VDC	1600VDC	1500~3500VDC	1500VDC
Operating Temp. (Full Load)	3R3 : -40°C ~ 58°C 05 : -40°C ~ 60°C Other : -40°C ~ 74°C	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 85°C	-40°C ~ 85°C

