



The NEW RELEASE of High Power Density DC/DC Converter

MOTIEN TECHNOLOGY specializes in DC/DC Converters and is proud to present the new product – **M10A-10W Series**

Feature:

- ✓ Highest Power Density 10W In DIP16 Package.
- ✓ 4:1 Wide Input Range
- ✓ Built-in EMI filter meets EN55032 Class A without external components
- ✓ Continuous short circuit protection.
- ✓ 1600 VDC Isolation.
- ✓ Efficiency is up to 87%.

Comparison of MOTIEN 10W Products :

	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

