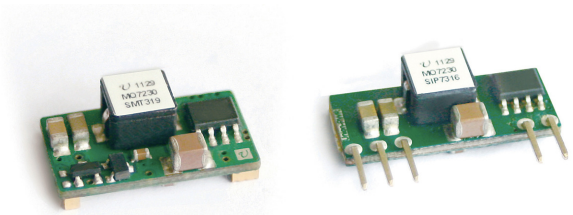


Non-isolated 3~5.5Vdc / 8~14Vdc input, 0.75~3.6V / 0.75~5.5V output, 6A DC-DC Converter

FEATURES

- Wide operating voltage: 3.0~5.5V / 8V~14V
- Output Current up to 6A
- Output voltage ripple: 20mV_{pp}
- High Efficiency 94%
- Overcurrent /shortcircuit protection
- Over-temperature protection
- Remote on/off control – negative or positive logic
- High reliability: designed to meet 5 million hour MTBF
- Minimal space on PCB:
 - TH: 0.92 in x 0.4 in x 0.26 in
 - SMT 0.8 in x 0.45 in x 0.265 in
- No derating to +75°C, natural convection
- UL/IEC/EN60950 compliant
- RoHS Compliant available



OPTIONS

- Right Angle (for through hole pin-out)
- Remote Control Logic mode

APPLICATIONS

- Workstations, servers
- DSP applications
- Distributed power architectures
- Telecommunications equipment
- Data communications equipment
- Wireless communications equipment

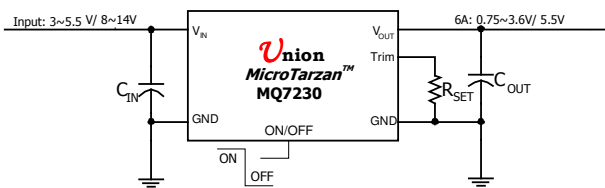
Description

The **MicroTarzan™** MQ7230 Series Power Modules are non-isolated dc-dc converters that operate over a wide input voltage range of 3Vdc to 5.5Vdc or 8Vdc to 14Vdc, and provide a precisely (2%) regulated dc output with industry standard SMT pin out. Such a module is suitable to application with 3.3V, 5V or 12V power supply bus. The modules have a maximum output current rating of 6A at a typical full-load efficiency over 94%. Standard features include remote on/off with negative or positive logic and output voltage adjustment, over-current protection, over-temperature protection. MQ7230 can load 6A in a very small size. This improves PCB layout and system integration capability

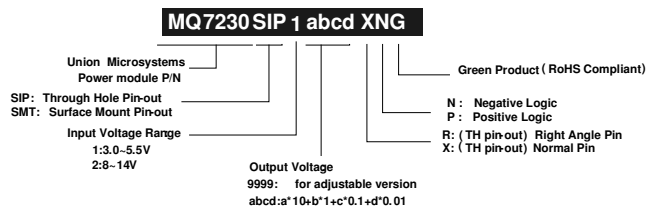
Product Specifications (electrical performance at Ta=+25°C)

Model	Pin Out	Number of Pins	Input V _{IN} Range (V)	Output			Efficiency (%)	
				I _{OUT} (A)	Trim Range (V)	Regulation		
						Line (%)	Load (%)	
MQ7230SIP19999	Through Hole	5	3~5.5	6	0.75~3.6	0.5	0.5	94
MQ7230SMT19999	Surface Mount							93
MQ7230SIP29999	Through Hole		8~14	6	0.75~5.5	0.5	0.5	95
MQ7230SMT29999	Surface Mount							93

Typical Application Circuit

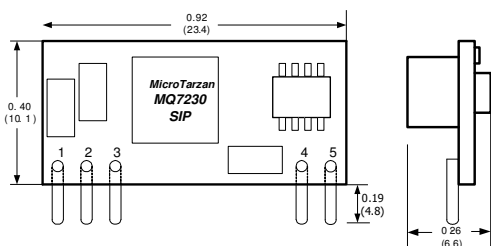


Ordering Information:



Mechanical Specifications: in inches (millimeters)

MQ7230 (Through-Hole Pin-out):



MQ7230 (Surface-Mount Pin-out):

