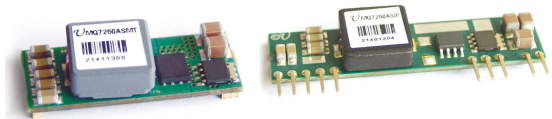


SuperTarzan™ MQ7260A

Non-isolated 3~5.5VDC / 8~14VDC input, 0.75~3.6V / 0.75~5.5V output, 20A DC-DC Converter

FEATURES

- Wide operating voltage: 3.0~5.5V / 8V~14V
- Output Current up to 20A
- Output voltage ripple: 20mV_{pp}
- High Efficiency 95%
- Overcurrent /shortcircuit protection
- Over-temperature protection
- Remote on/off control – negative or positive logic
- High reliability: designed to meet 5 million hour MTBF
- Output voltage remote sense compensation ("s" suffix)
- Minimal space on PCB:
 - TH: 2.0 in x 0.5 in x 0.31 in
 - SMT 1.30 in x 0.53 in x 0.265 in
- No derating to +75°C, natural convection
- UL/IEC/EN60950 compliant
- RoHS Compliant available



OPTIONS

- Output voltage remote sense
- Right Angle (Through Hole pin-out)
- Remote Control Logic mode

APPLICATIONS

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

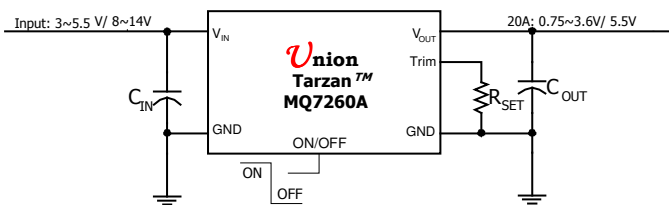
Description

The **SuperTarzan™** MQ7260A 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 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 20A at a typical full-load efficiency over 95%. Standard features include remote on/off with optional logic mode and trimmed output voltage, over-current protection, over-temperature protection. Option features include output voltage remote sense compensation.

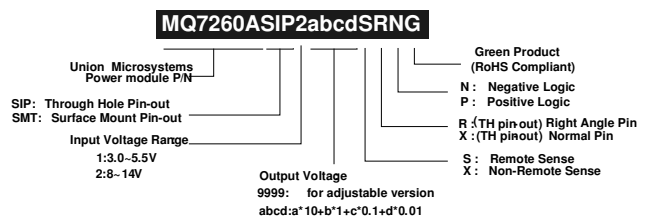
Product Specifications (electrical performance at Ta=+25°C)

Model	Pin Out	Number of Pins	Input V _{IN} Range (V)	Output				Efficiency (%)
				I _{OUT} (A)	Trim Range (V)	Regulation		
						Line (%)	Load (%)	
MQ7260ASIP19999	Through Hole	10	3~5.5	20	0.75~3.6	0.5	0.5	95
MQ7260ASMT19999	Surface Mount	6						
MQ7260ASIP29999	Through Hole	10	8~14	20	0.75~5.5	0.5	0.5	95
MQ7260ASMT29999	Surface Mount	6						

Typical Application Circuit



Ordering Information



Mechanical Specifications: in inches (millimeters)

