Power modules

PRELIMINARY

PCBA SIP application: APX05SXX00WP-300

FEATURES

Input voltage range:85VAC~305VAC/100VDC-430VDC;

Compact size, SIP footprint;

Comply with the EU RoHS Directive; CQC, TUV Approved;

Operating temperature range:-40°C~+85°C;

Low standby power: 0.15W max @230VAC;

Primary/Secondary Insulation: \geq 3600VAC;

Conforms to EN/IEC/UL62368-1;

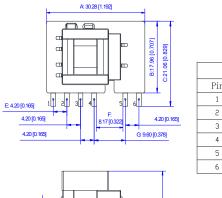
Conforms to IEC/EN61558-2-16;





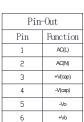
OUTLINE DRAWING

H: 1.00 [0.039]



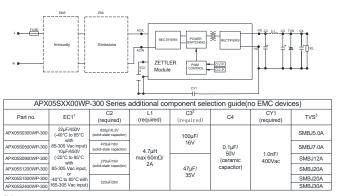
- LIII

J: 2.30 [0.091]



Note: 1.Unit: mm (inch) 2.Tolerance: ±1.0mm (±0.039)

TYPICAL APPLICATION SCHEMATIC



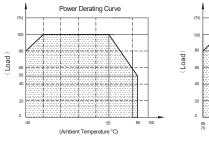
Note: 1. Recommended to use a capacitor with ripple current >200 mA at 100 kHz. 2. Recommended to use a high frequency, low ESR, electrolytic capacitor (<= 1.10 at -40 C) with at least 20% margin on voltage rating. 3. A suppressor diode (TVS) is recommended to protect the downsteam application in case of converter failure and should be rated for a minimum of 1.2 times theconverter's output voltage. 4. The FUSE component is required, recommended to use a slow break fuse with 1A/300V SPEC.

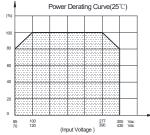
MODEL LIST

Model No.	Output	Rated
	voltage	current
APX05S0300WP-300	3.3Vdc	1000mA
APX05S0500WP-300	5Vdc	1000mA
APX05S0900WP-300	9Vdc	560mA
APX05S1200WP-300	12Vdc	420mA
APX05S1500WP-300	15Vdc	340mA
APX05S2400WP-300	24Vdc	210mA

PRODUCT CHARACTERISTIC CURVE

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Power modules



DISCLAIMER

This product specification is to be used in conjunction with the application notes which can be downloaded from the regional ZETTLER magnetics websites. The specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.

ZETTLER GROUP

Building on a foundation of more than a century of expertise in German precision engineering, ZETTLER Group is a world-class enterprise, engaged in the design, manufacturing, sales and distribution of electronic components. Our industry leadership is based on a unique combination of engineering competence and global scale.

For more information on other ZETTLER Group companies, please visit <u>zettler-group.com</u>. For support on this product or other ZETTLER magnetics products, please visit one of the group sites below.

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