

AS5R-24S12ZPC

DC-DC

Features

5.6WATT DIP PACKAGE
2:1 WIDE INPUT VOLTAGES
EFFICIENCY TO 80%
100% BURNED IN
REGULATED OUTPUT TYPES



Input Specifications

Input Voltage :24Vdc
Input Voltage Range :18-36Vdc

Output Specifications

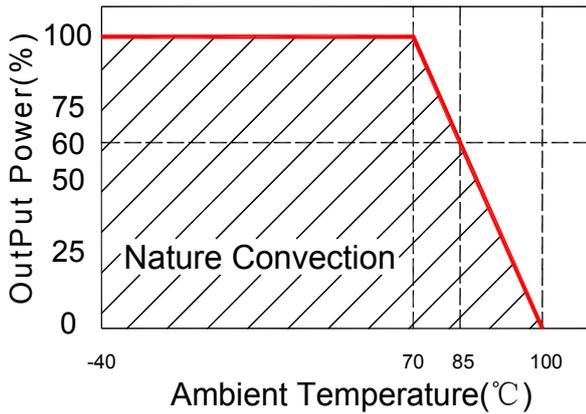
Output Voltage :12Vdc
Output Voltage Accuracy :±2% Vout=11.76-12.24Vdc Vin=18-36Vdc
Output Current :470mA
Efficiency :80% TYP
Ripple / Noise :100mVp-p MAX 20MHz Bandwidth
Short Circuit Protection :Continuous Automatics recovery
Line Regulation :±0.5% MAX LL to HL at Full Load
Load Regulation :±0.8% MAX 0% to 100%FL

General Specifications

Operating Temperature Range :-40°C ~ +85°C
Storage Temperature :-40°C ~ +100°C
Switching Frequency :200KHz TYP
Humidity :95% MAX
Isolation Voltage :1500Vdc Input to Output (2sec/0.5mA)
Isolation Resistance :1000MΩ MIN 500Vdc
Cooling :Free air convection
MTBF :>1500000 Hours MIL-HDBK-217F 25°C,Ground Benign.
Case Material :Nickel Coated With Non-Conductive Base
Weight :16.8g TYP

Temperature Derating Graph

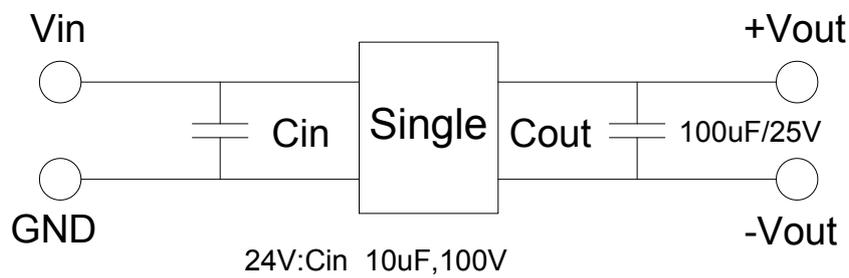
Part Number



AS5 R - 24 S 12 Z P C
1 2 3 4 5 6 7

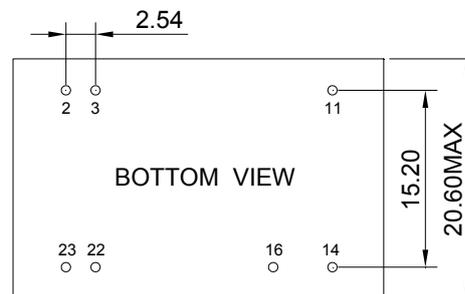
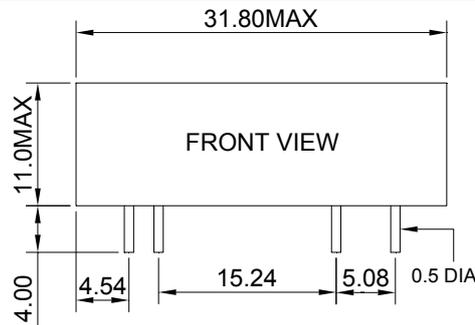
- 1:Series
- 2:Regulated
- 3:Input Voltage
- 4:Single Output
- 5:Output Voltage
- 6:Case
- 7:Short Circuit Protection Continuous

Recommended Test Circuit



To make sure the product work at perfect operation status with full loading external capacitor is necessary and it is recommended to use high frequency low resistance electrolytic capacitor.

Outline Dimensions



UNIT: mm Unless otherwise specified, all tolerances are ± 0.25

PIN	2.3	11	14	16	22.23
Single	-Vin	NC	+Vout	-Vout	+Vin