

112/113 SERIES +5 Vdc INPUT

FEATURES

Small size

High reliability

High efficiency:
70%

No minimum
load

No heat sink
required

UL recognized

Within FCC
Class A
radiated limits



These extremely small power modules provide highly reliable 0.5 W to 1.5 W outputs for digital and telecommunications applications. Each module is fully encapsulated in a 16-pin DIP that uses less than one square inch of printed circuit board area. The common characteristic of these nonisolated switching regulators is operation from a 5 Vdc input. High efficiency allows for operation from no load to full load over an ambient temperature range of 0° to 70°C with no derating.

For your positive output voltage requirements of 12 V, 15 V, or 25 V, choose the 112 Series. For your negative output voltage needs of -5 V, -12 V, -15 V, or -130 V, select the 113 Series.

For more specific
technical
information, call
1-800-526-7819.

Call
1-800-372-2447
to ask for product-
specific data sheet:

- **112/113 Series**
Data Sheet
DS92-046EPS

Code	Input Vdc	Output	
112A2	4.5-5.5	12 V	41.2 mA
112C2	4.5-5.5	15 V	100 mA
112D2	4.5-5.5	25 V	30 mA
112E2	4.5-5.5	12 V	125 mA
113A2	4.5-5.5	-5 V	100 mA
113AA2	4.5-5.5	-5 V	100 mA
113B2/B3	4.5-5.5	-12 V	63 mA
113C2	4.5-5.5	-15 V	50 mA
113E2	4.5-5.5	-130 V	0.5 mA
113F2/F3	4.5-5.5	-5 V	300 mA
113G2	4.5-5.5	-12 V	125 mA

Consult factory at 1-800-526-7819 for other variations.

TYPICAL OUTPUT CHARACTERISTICS

Set Point Accuracy	±1%
Load Regulation	±0.5%
Line Regulation	±0.02%
Output Temperature Drift	±0.005%/°C
Output Ripple	
112 Series	50 mVp-p
113A2-C2 Series	50 mVp-p
113E2-G2 Series	100 mVp-p
Efficiency	70%

PRODUCT ATTRIBUTES

Operating Ambient Temp.	0° to 70°C
Storage Temperature	-40° to 100°C
Maximum Weight	1 oz (28 gram s)
Dimensions	0.96" L, 0.70" W, 0.44" H
Calculated MTBF (40°C case)	20 mil. hrs.