

FEATURES

- * 2W Isolated Output
- * Compact SIP-8 Package
- * Efficiency to 86%
- * 1000VDC Isolation
- * Without Tantalum Capacitors inside

NEW



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		EFF. (%)	CAPACITIVE LOAD MAX.
				NO LOAD	FULL LOAD		
EN2N-05S05	5 VDC	5 VDC	400 mA	60 mA	488mA	82	470uF
EN2N-05S12	5 VDC	12 VDC	167 mA	60 mA	466mA	86	470uF
EN2N-05S15	5 VDC	15 VDC	134 mA	60 mA	473mA	85	470uF
EN2N-05D05	5 VDC	±05 VDC	±200 mA	60 mA	482mA	83	470uF
EN2N-05D12	5 VDC	±12 VDC	±83 mA	60 mA	463mA	86	470uF
EN2N-05D15	5 VDC	±15 VDC	±67 mA	60 mA	467mA	86	470uF
EN2N-12S05	12 VDC	5 VDC	400 mA	40 mA	203mA	82	470uF
EN2N-12S12	12 VDC	12 VDC	167 mA	40 mA	201mA	83	470uF
EN2N-12S15	12 VDC	15 VDC	134 mA	40 mA	199mA	84	470uF
EN2N-12D05	12 VDC	±05 VDC	±200 mA	40 mA	203mA	82	470uF
EN2N-12D12	12 VDC	±12 VDC	±83 mA	40 mA	202mA	82	470uF
EN2N-12D15	12 VDC	±15 VDC	±67 mA	40 mA	199mA	84	470uF
EN2N-24S05	24 VDC	5 VDC	400 mA	20 mA	105mA	79	470uF
EN2N-24S12	24 VDC	12 VDC	167 mA	20 mA	103mA	81	470uF
EN2N-24S15	24 VDC	15 VDC	134 mA	20 mA	102mA	82	470uF
EN2N-24D05	24 VDC	±05 VDC	±200 mA	20 mA	105mA	79	470uF
EN2N-24D12	24 VDC	±12 VDC	±83 mA	20 mA	102mA	81	470uF
EN2N-24D15	24 VDC	±15 VDC	±67 mA	20 mA	102mA	82	470uF

NOTE: 1. Nominal Input Voltage 5 or 12 or 24 VDC

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE.....		±10%
INPUT SURGE VOLTAGE (100ms max)5V	9VDC max
	12V	18VDC max
	24V	30VDC max
INPUT FILTER.....		capacitive

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±3.0% max
Voltage Balance (Dual)		±1.0% max
Ripple and noise, 20MHz BW		max. 150mVpp.
	Single Output 5V	max. 100mVpp.
Temperature Coefficient		±0.05%/C max
Line Regulation ¹		±1.2% max
Load Regulation ²		±10% max
Short Circuit Protection.....		Momentary 1sec max
Start up time		5ms max

GENERAL SPECIFICATIONS

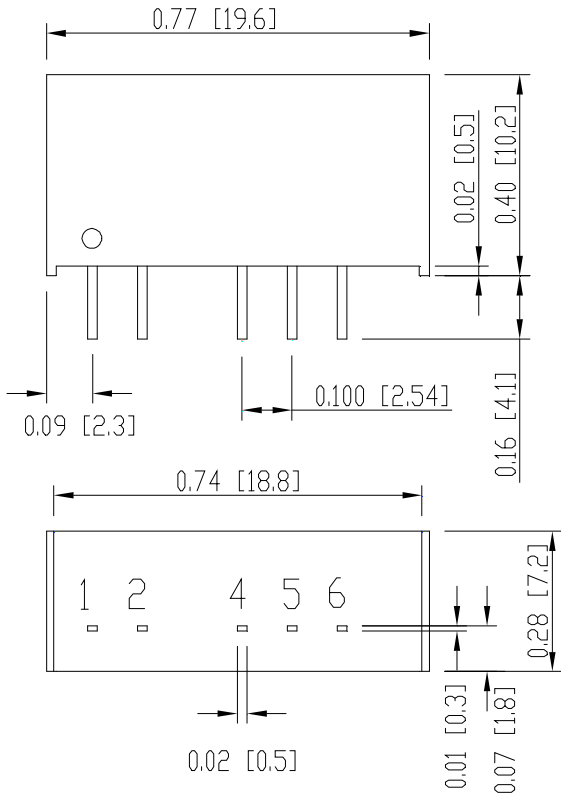
ISOLATION VOLTAGE.....		1000VDC min.
ISOLATION RESISTANCE		1000 Mohm
ISOLATION CAPACITANCE.....		15pF typ.
SWITCHING FREQUENCY.....		80KHz typ.
OPERATING TEMPERATURE RANGE.....		-40°C TO +85°C
DERATING, ABOVE 75°C		LINEARY TO ZERO POWER AT 100 °C
COOLING.....		Natural Convection, 20ft./min.(0.1m/s)
CASE TEMPERATURE ³		100°Cmax.
STORAGE TEMPERATURE RANGE.....		-55°C TO +125°C
HUMIDITY		95% RH max. Non condensing
MTBF	MIL-STD-217F	3Mhrs typ
CASE MATERIAL		Non-Conductive Black Plastic
DIMENSIONS		0.77x0.28x0.40 INCHES (19.6 × 7.20 × 10.20mm)

NOTE:

1. LINE REGULATION is per 1.0% change in input voltage
2. LOAD REGULATION: Measured From Full Load To 20% Load
3. Maximum Case Temperature Under Any Operating Condition Should Not Be Exceeded 100°C
4. The output noise is measured with 0.33µF ceramic capacitor.
5. The EN2N-series with 24Vin need to parallel with 10µF ceramic capacitor

MECHANICAL SPECIFICATIONS

SIP PACKAGES



All Dimensions In Inches(mm)

Tolerance	Inches	Millimeters
	X.XX; ±0.01	X.X; ±0.25
	X.XXX; ±0.005	X.XX; ±0.13
Pin	±0.002	±0.05

PIN CONNECTION		
Pin	Single Output	Dual Output
1	+Vin	+Vin
2	-Vin	-Vin
4	-Vout	-Vout
5	No Pin	Common
6	+Vout	+Vout

Power Derating

Typical Derating curve for Natural Convection

