

NMA Series

1 Watt Dual Output



Input Specification

- Input Range $\pm 10\%$ of nominal
- Reflected Ripple (20 MHz bandwidth) 100 mV pk-pk 3 V and 48 V input; 80 mV pk-pk other models
- No Load Power Consumption 100 mW

Output Specification

- Voltage Accuracy Typically within -7.5 to +2.5% of nominal at full load
- Line Regulation (10-100% full load) 1.2% / 1% of V in
- Load Regulation (10-100% full load) 15% max 5 V output models
10% max other models
- Temperature Coefficient 0.03%/°C max
- Ripple and Noise (20 MHz bandwidth) <150 mV pk-pk max 3.3 V and 48 V input models; 75 mV other models
- Short Circuit Duration 1 second

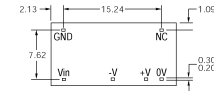
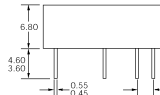
General Specification

- Operating Temperature 0 °C to +125 °C
Derate from 70 °C at 2.22%/°C
- Storage Temperature -55 °C to +150 °C
- Isolation (flash tested for 1 sec) 1000 V DC
- Switching Frequency (full load) 100 kHz
- Lead Temperature 300°C/10 sec 1.5 mm from case

Input (Nominal)	Output Voltage	Output Current	Efficiency typ.	Model
3.3 V	± 5.0 V	± 100 mA	70%	NMA03 05S
	± 9.0 V	± 56 mA	75%	NMA03 09S
	± 12.0 V	± 42 mA	75%	NMA03 12S
	± 15.0 V	± 34 mA	75%	NMA03 15S
5 V	± 5.0 V	± 100 mA	70%	NMA05 05S
	± 9.0 V	± 56 mA	75%	NMA05 09S
	± 12.0 V	± 42 mA	75%	NMA05 12S
	± 15.0 V	± 34 mA	75%	NMA05 15S
12 V	± 5.0 V	± 100 mA	70%	NMA12 05S
	± 9.0 V	± 56 mA	75%	NMA12 09S
	± 12.0 V	± 42 mA	75%	NMA12 12S
	± 15.0 V	± 34 mA	75%	NMA12 15S
24 V	± 5.0 V	± 100 mA	70%	NMA24 05S
	± 9.0 V	± 56 mA	75%	NMA24 09S
	± 12.0 V	± 42 mA	75%	NMA24 12S
	± 15.0 V	± 34 mA	75%	NMA24 15S
48 V	± 5.0 V	± 100 mA	70%	NMA48 05S
	± 9.0 V	± 56 mA	75%	NMA48 09S
	± 12.0 V	± 42 mA	75%	NMA48 12S
	± 15.0 V	± 34 mA	75%	NMA48 15S

NOTE: Dual in line packages available; replace "S" in part number with "D"

14 Pin DIP Weight: 2.4g



7 Pin SIP Weight: 2.1g

