

NG

High-Efficiency Low Power

10 to 20 W Power



MAGNETEK
UNCOMMON POWER

The NG, or New Generation, series of high-efficiency compact tiles includes three isolated Dc-Dc converter families with output-power ratings from 10 W to 20 W. Compact size, low cost, and high reliability make the NG Series modules excellent choices for the most advanced, high-performance applications.

NGL Compact Tiles



Features:

- Output power: up to 20 W
- Efficiency: up to 85%
- No forced air cooling needed
- Designed to meet applicable NEBS standards

General Specifications:

- Input voltage range: 19.2 to 72 Vdc, or 36 to 72 Vdc
- Adjustable output voltage
- Clock synchronization
- Low output noise and ripple
- Operating ambient temperature: -40°C to +85°C
- Input to output isolation: 1500 V
- Safety/Regulatory Certified:
cULus, CSA, CSA/US, TUV, KEMA (CB scheme)

MODEL SUMMARY AND ORDERING CODE

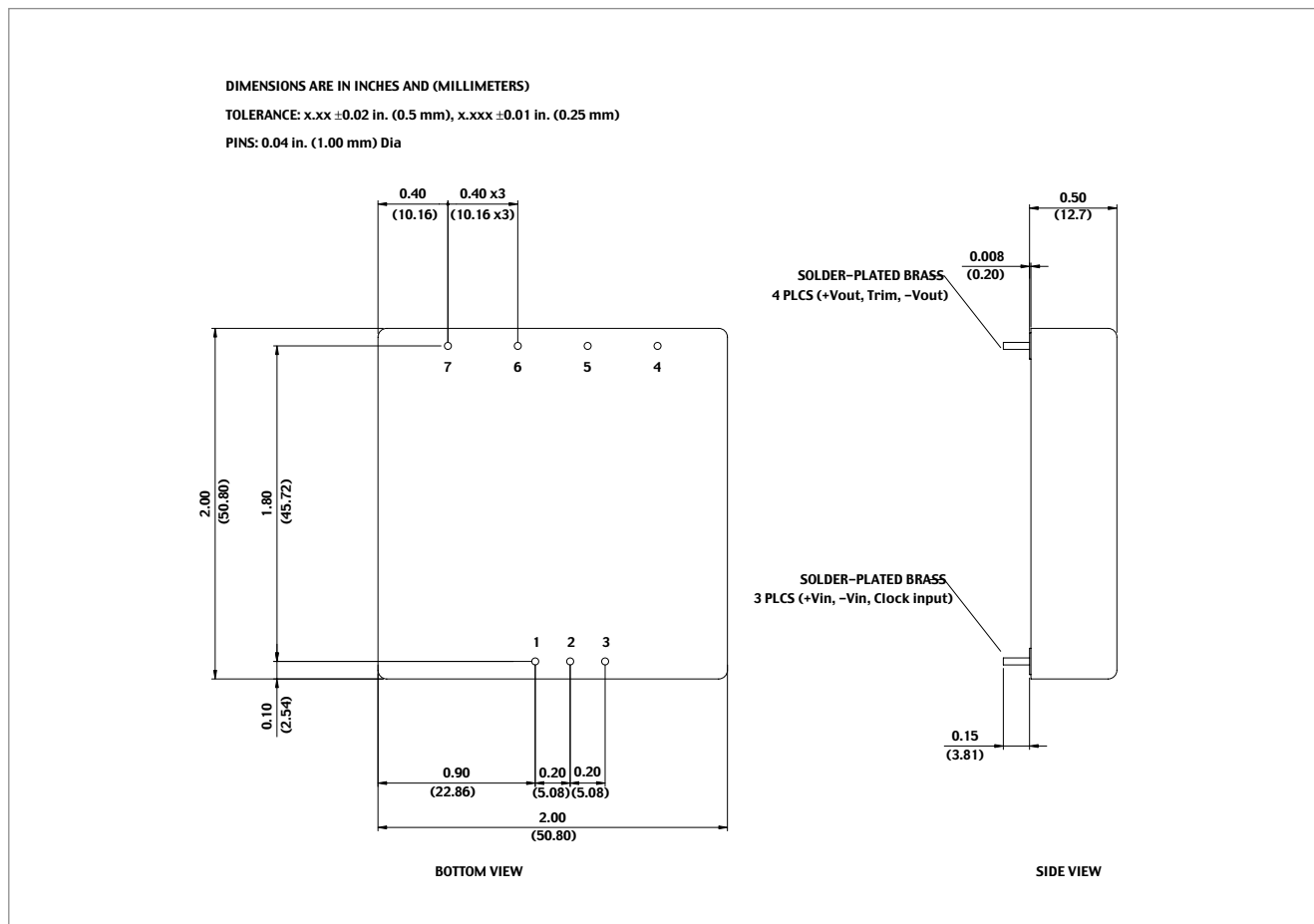
Model Number	Vin	Pmax	Vout	Iout
NGL-16.5W-48V-3.3V	19.2 to 72 Vdc	16.5 W	3.3 V	5 A
NGL-14.5W-48V-1.8V	19.2 to 72 Vdc	14.5 W	1.8 V	8 A

Option Code:

- N, Remote Enable with Negative Logic
- P, Remote Enable with Positive Logic

Contact Factory for availability of specific model configurations.

Mechanical drawings



Pin	Nomenclature	Description
1	Vin(+)	Positive terminal for the input bus
2	Vin(-)	Return terminal for the input bus
3	CLK SYNC	Clock synchronous terminal
4	Vout(-)	Dc Return terminal, output
5		
6	Trim	Remote output voltage trim terminal
7	Vout(+)	Positive output terminal