The SOLO7 Nano Transmitter power amplifier is an ultra-miniature COFDM digital video transmitter power amplifier from Domo Tactical Communications (DTC), designed specifically for covert video installations and body-worn applications.

With proven DTC COFDM technology at its core, the exceptionally small size and low power consumption (typically 3W at 0.5W TX Power) of the SOLO7 Nano Transmitter makes it the product of choice for covert video hides, or applications requiring long term battery power deployments, small unmanned aerial vehicles, and body-worn or body-wire use.

The SOLO7 Nano Transmitter power amplifier is supplied in a simple aluminium lightweight case and features an industry standard reliable SMA male and female RFIN/OUT connection. Control and power interfaces use a Lemo 00 connector.

**Specification:**

**IO**
- Power/Control: 4-way Circular (4-pin 00 Lemo)
- RF Input: SMA-M (100mW/50mW/10mW)
- RF Output: SMA-F (1000mW/500mW/100mW)

**Physical**
- Dimensions: L 44mm, W 31mm, H 18mm
- Weight: 65g

**Power**
- DC Input: 6.0V to 18V reverse polarity protected
- Power Consumption: Typical-
  - 5W @ 1000mW RF power
  - 4W @ 500mW RF power
  - 3W @ 500mW RF power*

**NB:** Power consumption depends on RF power, temperature and frequency variant. * (Low linearity mode)

**Environment**
- Temperature Range: -10°C to +50°C
- Humidity: Less than 85% Non-Condensing

**Product Codes:**
- SOL7NAMP1W-015017: SOL7 Nano Amp 1W 150-170MHz
- SOL7NAMP1W-030042: SOL7 Nano Amp 1W 300-420MHz
- SOL7NAMP1W-100150: SOL7 Nano Amp 1W 1.00-1.50GHz
- SOL7NAMP1W-165240: SOL7 Nano Amp 1W 1.65-2.40GHz
- SOL7NAMP1W-198270: SOL7 Nano Amp 1W 1.98-2.70GHz

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