

QMODP4xx

Dual Output Q-switch driver

→ A new generation of compact dual-output drivers, for double Q-switches operation.



Under certain circumstances, it is necessary to drive simultaneously 2 crossed Q-switches.

AA offers its new range of drivers which will allow user to drive in synchronism both Q-switches, with only one drive signal, thanks to its balanced dual outputs.



Specifications

| | |
|---|---|
| Carrier frequency | 27.12 or 40.68 MHz [80 MHz on request] |
| Frequency stability | +/-1 ppm/°C |
| Power Supply | 24 VDC - nom 12 A (version 2 x 60 Watts) |
| Rise Time / Fall time (10-90 %) | < 80 ns |
| DPC control (Digital Pulse Control) | TTL reversed / 1 kΩ, PULL DOWN |
| Analog power control (x1) | analog 0-5 V / 10 kΩ Type PAC : RF OFF LEVEL Control |
| Maximum RF power adjustment (x1) | *with external potentiometer *Analog 0-5V / 10 kΩ (Type FAC) |
| Extinction ratio | > 40 dB, typ 45 dB |
| Output RF power | Model 1 = 2 outputs 25 Watts Model 2 = 2 outputs 70 Watts |
| Output Power Measurement (x2) | Analog signal |
| Returned Output Power Measurement (x2) | Analog signal |
| Output Impedance | 50 Ω |
| V.S.W.R. | Nom < 1.5/1 |
| RF connector | BNC |
| Controls connector | DB15 |
| Thermal security QST (x2) | SMC / for Q-switch |
| Thermal Alarm QST (x1) | TTL Signal through (default indication for QST) |
| Thermal security DRIVER | Driver Automatic switch off for Tcase >70 °C |
| Thermal Alarm driver | TTL Signal through (default indication for driver) |
| Size | 183 x 140 x 25 mm ³ |
| Weight | Nom 1 kg |
| Heat exchange | CONDUCTION THROUGH BASEPLATE MUST BE ATTACHED ON A HEATSINK OR WATER COOLED PLATE |
| Operating temperature / Case Temperature | 10 to 70 °C |
| Warm up time | Immediate use (15 min for maximum output power stability) |



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