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Power over Ethernet (PoE) controlled Switches SP2T to SP6T



Aluminium package



Profile package

Description:

This family of PoE (Power over ETHERNET) microwave switches is designed for remote, test bench or lab application.

These switches are controlled through the ETHERNET cable and TELNET. The power is supplied by PoE hub (not provided with), which means you can install them 100 meters far from the PoE hub!

They cover the frequencies from DC to 40 GHz, with excellent isolation and low loss.

Two package versions are available:

- Aluminum package, robust for harsh environment
- Profile package, low cost version, for lab application

Customizations are available for unique requirements (**USB** or 75Ω models).

INTEGRATIONS ELECTRONIQUE HYPERFREQUENCES ET TELECOMMUNICATIONS

----- SARL au capital de 8 000 euros - RCS Evry 491 635 017-----



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Electrical specification:

| Frequency (GHz) | From DC to 22 GHz | | | | Up to 40 GHz | |
|-------------------------|-------------------|------|-------|-------|--------------|-------------|
| | DC-6 | 6-12 | 12-18 | 18-22 | 22-26,5 | 26.5-40 GHz |
| VSWR (max) | 1.3 | 1.4 | 1.5 | 1,7 | 1.7 | 2.0 |
| Insertion Loss (dB max) | 0.2 | 0.4 | 0.5 | 0,7 | 0.7 | 1.0 |
| Isolation (dB min) | 70 | 60 | 60 | 55 | 55 | 50 |

Impedance: 50 Ohm

Positions: 2, 3, 4, 5 and 6 outputs

Internally terminated

Latching

Power supply: Through ETHERNET port (PoE supplied)

Control: Through ETHERNET port with TELNET interface (External PoE Hub required)

Switching speed: 15 ms

Mechanical Specification:

Connectors: SMA female (22 GHz) or K female (40 GHz)

Connector ETHERNET (Ethernet cable 1m long supplied with)

Package: Aluminum or profile package (M1 version)

Interface:

Driver and TELNET interface

How to order:

| Designation | Aluminum package | | Profile package | |
|-------------|------------------|----------------|-------------------|-------------------|
| | Reference | Reference | Reference | Reference |
| SP2T | SP2T-22GHz-POE | SP2T-40GHz-POE | SP2T-22GHz-POE/M1 | SP2T-40GHz-POE/M1 |
| SP3T | SP3T-22GHz-POE | SP3T-40GHz-POE | SP3T-22GHz-POE/M1 | SP3T-40GHz-POE/M1 |
| SP4T | SP4T-22GHz-POE | SP4T-40GHz-POE | SP4T-22GHz-POE/M1 | SP4T-40GHz-POE/M1 |
| SP5T | SP5T-22GHz-POE | SP5T-40GHz-POE | SP5T-22GHz-POE/M1 | SP5T-40GHz-POE/M1 |
| SP6T | SP6T-22GHz-POE | SP6T-40GHz-POE | SP6T-22GHz-POE/M1 | SP6T-40GHz-POE/M1 |