

Data Sheet

VES-SW-1015

WR75 W/G Rotary Transfer Switch

WR75 50Ω 10-15GHz



Features

- 10 to 15 GHz Waveguide Switch
- 24 VDC Nominal Voltage
- Working mode: Power-off at position reached
- Operating Temperature: -50°C to +70°C

Applications

- Microwave Radio
- Test Instrument
- Research and Development



Generic photo used for illustration purposes only

Switch Type:

| | | | |
|------------------------|---------------------------------|-----------------|-------------------|
| Control Mode/Interface | Electric/Manual (TYB3112E10-6P) | Drive mode: | Electric + Manual |
| Voltage | 24V~28V | Current | ≤1 A |
| Switching Speed | <50ms | Switch Lifetime | 100,000 times |

Electrical Specifications at 25° C

| Parameter | Specification | Unit |
|-----------------------------------|---------------|------|
| Frequency Range | 10000-15000 | MHz |
| VSWR (Max) | ≤1.15 | :1 |
| Insertion Loss | ≤0.15 | dB |
| Isolation | ≥50dB | dB |
| Power Handling (Design Guarantee) | ≥ 3kW (CW) | W |

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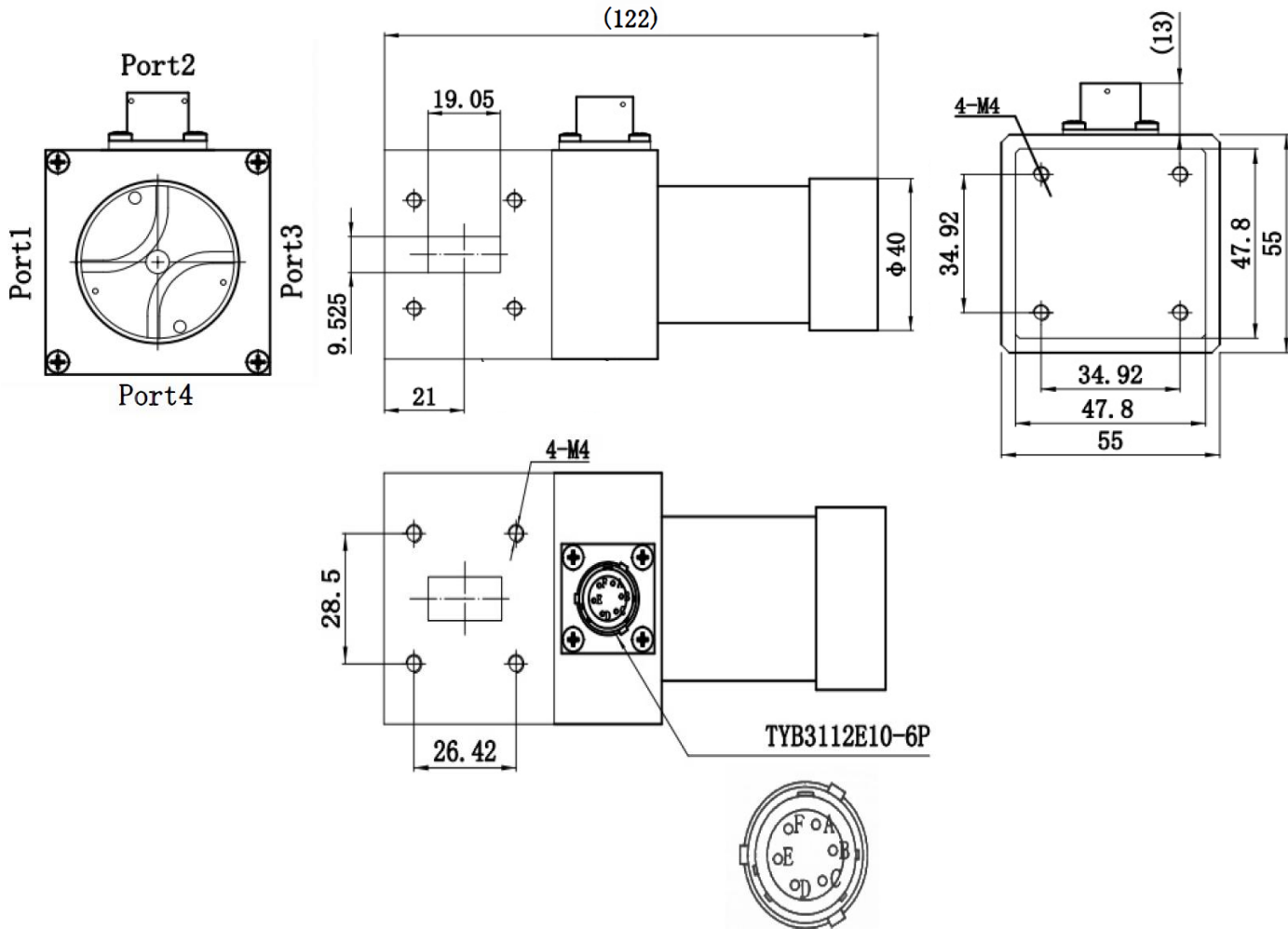
WR75 50Ω 10-15GHz



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Outline Drawing Dimensions (mm)



| Parameter | Specification |
|----------------|------------------------------|
| Waveguide Type | WR75 |
| Flange Type | FDP120 |
| Material | Aluminum |
| Inside finish | Natural conductive oxidation |

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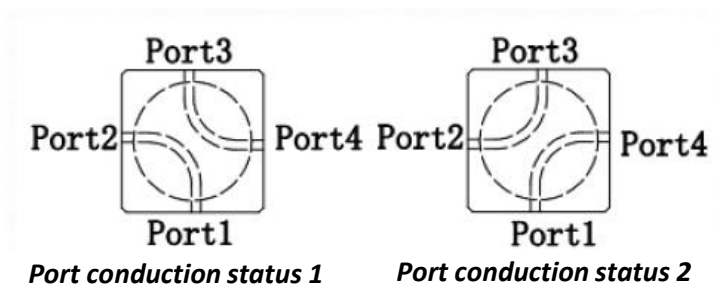
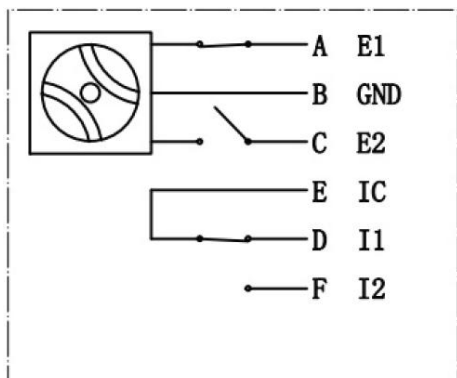
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Wiring Definition

| Pin Definition | Function | Note |
|----------------|----------|--------------------------------------------------------------|
| A | E1 | State 1 control (+24V, pulse >200ms). Port1–2 ON, Port3–4 ON |
| B | GND | Control common ground (same as +24V ground) |
| C | E2 | State 2 control (+24V, pulse >200ms). Port2–3 ON, Port1–4 ON |
| D | I1 | State 1 feedback → I1–IC ON, I2–IC OFF |
| E | IC | Common feedback terminal |
| F | I2 | State 2 feedback → I2–IC ON, I1–IC OFF |

Port Status Diagram



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Contact us

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