

COAXIAL & WAVEGUIDE SWITCHES

1.6/5.6 DPDT up to 1 GHz

MINIATURE COAXIAL SWITCHES :

R566 9

OPTIONS

000 : No option
129 : With TTL Driver
xxx : Other ⁽¹⁾

TYPE

1 : Failsafe
2 : Failsafe with Indicator Contact
3 : Latching
4 : Latching with Indicator Contact
5 : Latching with Cut-Off
6 : Latching with Indicator Contact and Cut-Off
x : Other ⁽¹⁾

ACTUATOR VOLTAGE

2 : 12 Vdc
3 : 28 Vdc
x : Other ⁽¹⁾

⁽¹⁾ x or xxx Dash number denotes special customer requirements

GENERAL SPECIFICATIONS :

RF PERFORMANCE

| Frequency range (GHz) | DC - 1 | |
|-----------------------|-------------------|---------|
| | DC - 0.5 | 0.5 - 1 |
| V.S.W.R. | ≤ 1.25 | ≤ 1.30 |
| Insertion loss (dB) | ≤ 0.15 | ≤ 0.20 |
| Isolation (dB) | ≥ 90 | ≥ 80 |
| Impedance (Ω) | 75 | |
| Switching sequence | Break Before Make | |

ADDITIONAL SPECIFICATIONS

| | | |
|----------------------------------|---------------------------------------|------------------------|
| Operating mode | Failsafe or Latching | |
| Actuator voltage (nominal) (Vdc) | 12 | 28 |
| Coil resistance (± 10%) (Ω) | 90 | 520 |
| Operating current at 23°C (mA) | 133 | 46 |
| Average power | See Power Rating Chart page 9 | |
| Peak power (kW) | 5 (1 μs, 1°/∞) | |
| Switching time (ms) | 20 | |
| Indicator rating | 1 W - 30 V - 100 mA | |
| Life | 10 ⁶ Operations | |
| Connectors | 1.6/5.6 In accordance with DIN 47295. | |
| Actuator and Indicator terminals | Solder pins | |
| Weight (g) | Without option : 140 | With all options : 150 |

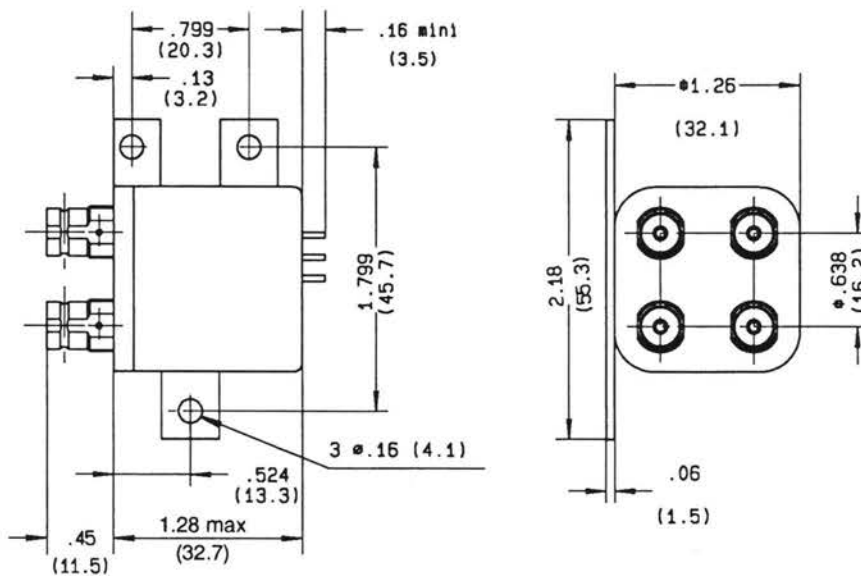
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TYPICAL OUTLINE DRAWING



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TECHNICAL INFORMATION

IV POWER RATING CHART :

This graph is based on the following conditions ambient temperature 25°C, sea level V.S.W.R. 1.1 and cold switching.

CW POWER CAPACITY VS FREQUENCY GRAPH

