

# COAXIAL & WAVEGUIDE SWITCHES

**N - TNC - BNC DPDT up to 4 GHz**

STANDARD COAXIAL SWITCHES :

## R556

### CONNECTOR RF

- 0 : Other
- 3 : TNC
- 5 : BNC
- 7 : N

### FREQUENCY RANGE

- 0 : DC - 4 GHz
- 8 : DC - 2 GHz
- 9 : DC - 1 GHz

### ACTUATOR CONNECTORS

- 0 : Solder pins
- 3 : D-Sub
- 4 : Multipin connector
- x : Other <sup>(1)</sup>

### OPTIONS

- 0 : Without TTL Driver
- 1 : With TTL Driver

### 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 <sup>(1)</sup>

### ACTUATOR VOLTAGE

- 2 : 12 Vdc
- 3 : 28 Vdc
- x : Other <sup>(1)</sup>

<sup>(1)</sup> x Dash number denotes special customer requirements

## GENERAL SPECIFICATIONS :

### RF PERFORMANCE

Frequency range (GHz)	DC - 1 / DC - 2 / DC - 4		
	DC - 1	1 - 2	2 - 4
V.S.W.R.	≤ 1.10	≤ 1.20	≤ 1.35
Insertion loss (dB)	≤ 0.20	≤ 0.25	≤ 0.35
Isolation (dB)	≥ 70	≥ 70	≥ 70
Impedance (Ω)	50		
Switching sequence	Break Before Make		

### ADDITIONAL SPECIFICATIONS

Operating mode	Failsafe or Latching	
Actuator voltage (nominal) (Vdc)	12	28
Coil resistance (± 10%) (Ω)	25	134
Operating current at 23°C (mA)	480	210
Average power	See Power Rating Chart page 9	
Peak power (kW)	5 (1 μs, 1°/∞)	
Switching time (ms)	25	
Indicator rating	1 W - 30 V - 100 mA	
Life	10 <sup>6</sup> Operations	
Connectors	N - TNC - BNC	
Actuator and Indicator terminals	Solder pins	
Weight (g)	500	

