



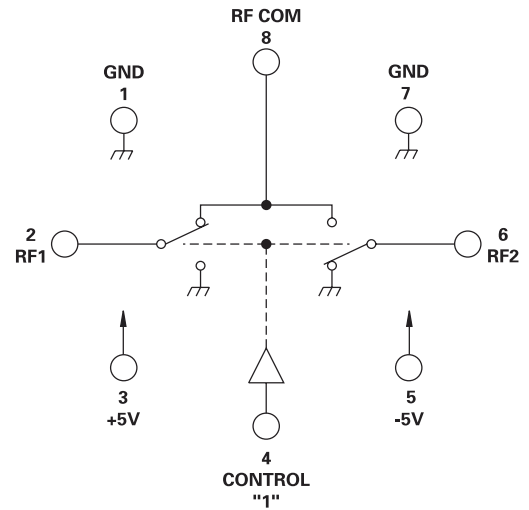
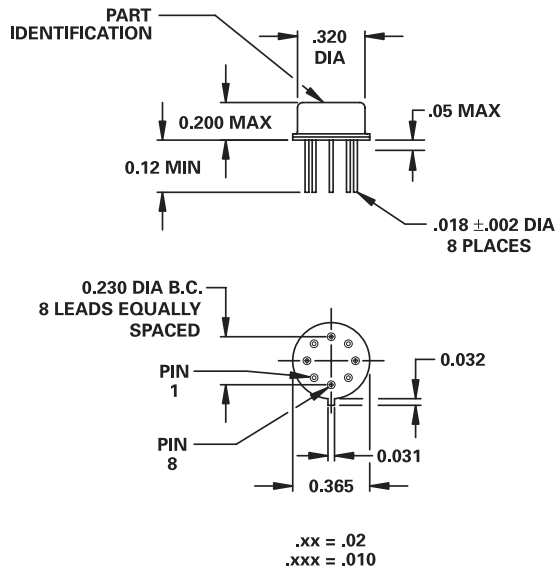
## MODEL NUMBER CSW22223

## Switch SP2T

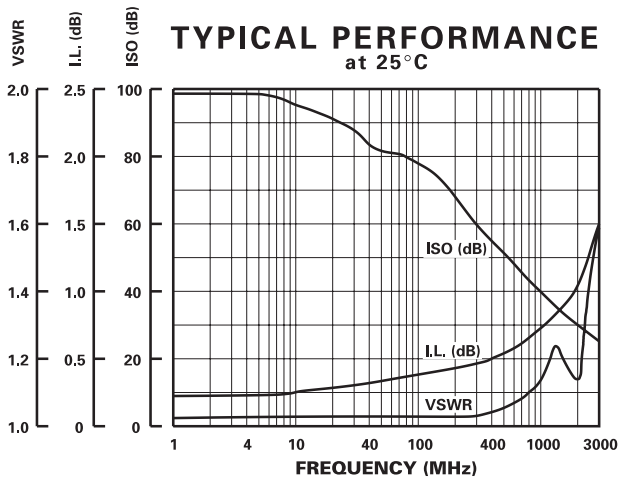
### FEATURES

- 450-950 MHz
- +47 dB 3rd Order Intercept Point
- 8 mV Switching Transients
- TO- Package

## SP2T



| LOGIC TABLE |               |
|-------------|---------------|
| TTL CONTROL | THRU PATH     |
| 0           | RF COM TO RF2 |
| 1           | RF COM TO RF1 |



## GUARANTEED PERFORMANCE

| Parameter                    | Min       | Typ | Max   | Units | Conditions                       |
|------------------------------|-----------|-----|-------|-------|----------------------------------|
| Operating Frequency          | 450       |     | 950   | MHz   |                                  |
| DC Current                   |           | 2   | 4     | mA    | At +5 VDC Supply                 |
|                              |           | 1   | 2     | mA    | At -5 VDC Supply                 |
| Control Type                 |           | TTL |       |       | 1 Line Logic "1" = RF Com to RF1 |
| Control Current              | High      | 1   | ±40   | μA    | VIH = +2.7 V                     |
|                              | Low       | 1   | +40   | μA    | VIL = +0.5 V                     |
| Insertion Loss               |           | 0.6 | 0.9   | dB    |                                  |
| Isolation                    | 35        | 39  |       | dB    |                                  |
| VSWR                         |           | 1.2 | 1.4/1 |       |                                  |
| Impedance                    |           | 50  |       | OHMS  |                                  |
| Switching Speed              |           | 65  | 150   | nSec  | 50% TTL - 90% / 10% RF           |
| Transition (Rise/Fall) Time  |           | 27  | 30    | nSec  | 10% / 90% - 90% / 10% RF         |
| Switching (Video) Transients |           | 8   | 45    | mV    | Peak Value                       |
| Intercept Points             | 2nd       | +50 | +85   | dBm   | 500 MHz / 510 MHz                |
|                              | 3rd       | +35 | +47   | dBm   | 500 MHz / 510 MHz                |
| RF Power                     | Operate   | +21 | +18   | dBm   | 1 dB Compression                 |
|                              | No Damage |     | +23   | dBm   |                                  |
| Operating Temperature        | -55       | +25 | +105  | °C    | TA                               |



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