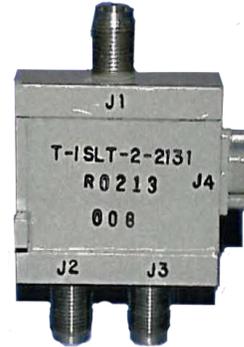


# MODEL T-ISLT-2-2131 - HIGH POWER MICROWAVE SP2T SWITCH

## TECHNICAL FEATURE

### FEATURES

- Internally Terminated Design (on receive)
- Integrated Driver Assembly



### PERFORMANCE

|                            |                       |
|----------------------------|-----------------------|
| Frequency Range .....      | 6 to 18 GHz           |
| Insertion Loss .....       | 1.75 dB max           |
| Isolation .....            | 25 dB min.            |
| Operating Power .....      | 100 Watts CW          |
| Switching Speed .....      | 1us max               |
| Control .....              | TTL Logic             |
| Power Supply .....         | +30, +/- 5 VDC        |
| Physical Size .....        | 2" x 1.8" x 1.05" max |
| Mounting Temperature ..... | +50°C max             |

### DESCRIPTION

The T-ISLT-2-2131 is a PIN diode based high power microwave switch covering 6 to 18 GHz. Power levels up to 100 W CW are handled over the operating temperature range. The switch offers high isolation and termination for the non-selected port.

This switch is suitable for signal control applications including ECM and radar transmitters. This might apply as a transmit/receive switch or selection between bands of high power signal sources or antennas.

The T-ISLT-2-2131 represents just one example of the extensive design capability of the recently initiated control device product.