

**NEW!**



MSP2T-18

MSP2TA-18

MTS-18B

**SPDT**

| MODEL NO. | FREQ. (GHz)<br>$f_L - f_U$ | ABSORPTIVE<br>REFLECTIVE | INSERTION LOSS (dB) |      | ISOLATION (dB) |      | VSWR (:1) |      | DC CURRENT @+24V (mA) | RF POWER* (W) | CASE STYLE | PRICE \$<br>Qty. (1-9) |
|-----------|----------------------------|--------------------------|---------------------|------|----------------|------|-----------|------|-----------------------|---------------|------------|------------------------|
|           |                            |                          | Typ.                | Max. | Typ.           | Min. | Typ.      | Max. |                       |               |            |                        |
| MSP2T-18  | DC-1                       | ●                        | 0.10                | 0.15 | 100            | 85   | 1.05      | 1.10 | 80 115                | 50            | FK811      | 119.95                 |
|           | 1-8                        |                          | 0.20                | 0.30 | 90             | 75   | 1.20      | 1.35 |                       | 50            |            |                        |
|           | 8-12                       |                          | 0.25                | 0.35 | 80             | 70   | 1.20      | 1.35 |                       | 38            |            |                        |
|           | 12-18                      |                          | 0.30                | 0.45 | 66             | 60   | 1.15      | 1.40 |                       | 25            |            |                        |
| MSP2TA-18 | DC-1                       | ●                        | 0.10                | 0.15 | 100            | 85   | 1.05      | 1.10 | 175 215               | 50            | FP914      | 149.95                 |
|           | 1-8                        |                          | 0.15                | 0.30 | 90             | 70   | 1.20      | 1.30 |                       | 50            |            |                        |
|           | 8-12                       |                          | 0.25                | 0.40 | 80             | 70   | 1.20      | 1.35 |                       | 38            |            |                        |
|           | 12-18                      |                          | 0.30                | 0.50 | 66             | 60   | 1.25      | 1.40 |                       | 25            |            |                        |

**TRANSFER**

|         |       |  |      |      |     |    |      |      |         |    |       |        |
|---------|-------|--|------|------|-----|----|------|------|---------|----|-------|--------|
| MTS-18B | DC-1  |  | 0.10 | 0.15 | 100 | 85 | 1.05 | 1.10 | 175 215 | 50 | DS810 | 249.95 |
|         | 1-8   |  | 0.10 | 0.25 | 90  | 75 | 1.15 | 1.20 |         | 50 |       |        |
|         | 8-12  |  | 0.20 | 0.36 | 86  | 70 | 1.15 | 1.25 |         | 38 |       |        |
|         | 12-18 |  | 0.25 | 0.45 | 76  | 60 | 1.15 | 1.30 |         | 25 |       |        |

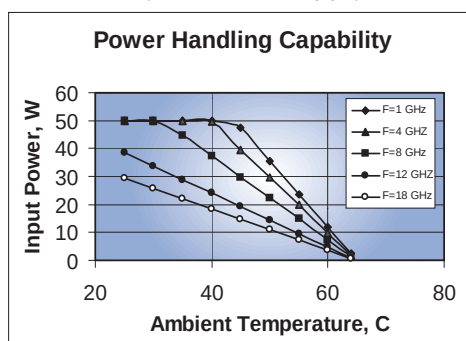
\*Power Ratings at ambient temperature 25°C, non-switching mode. For other ambient temperatures see derating graph below.

### features

- low insertion loss, 0.2 dB
- high isolation, 70 dB
- high power handling, 25W
- ultra reliable
- break-before-make configuration

### applications

- (ATE) automatic test equipment
- reliable "sleep-time" switching
- redundancy switching for microwave radio



### additional specifications

|                        |                   |
|------------------------|-------------------|
| Operating Voltage(nom) | 24V               |
| Switching Time (typ.)  | 12ms              |
| Operating Temperature  | -15°C to +65°C    |
| Life* (Min.)           | 10 million cycles |

\*Tested at 0 dBm RF power.

### NOTES:

- General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- Connector types and case mounted option, case finishes are given in section 0, see "Case styles & Outline Drawings".
- Prices and Specifications subject to change without notice.

### switching states

