

FEATURES

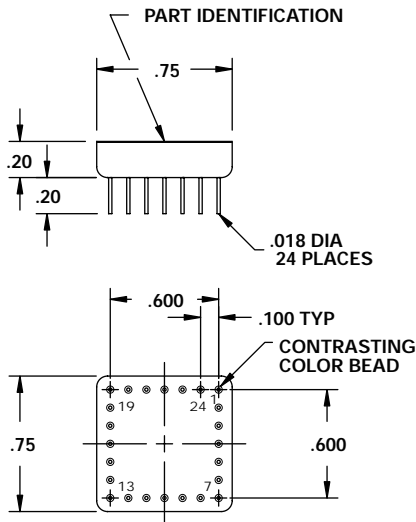
- 5 - 1000 MHz
- 70 dB Isolation
- Small .75 Sq. Package



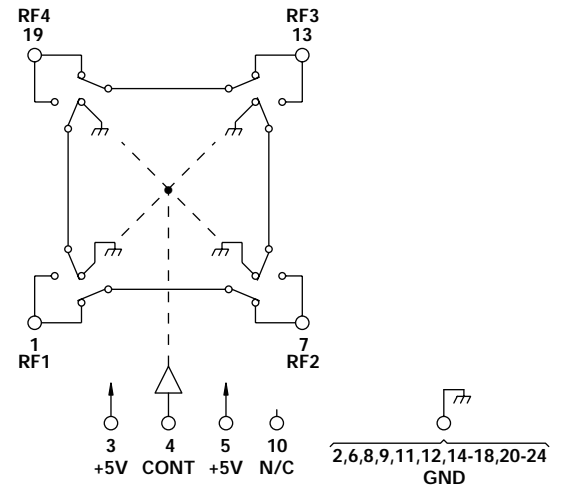
MODEL NO.
DSWT2180

Transfer Switch

XFER



.xx = .02
.xxx = .010



| LOGIC TABLE | |
|-------------|-----------|
| CTL | FUNCTION |
| "0" | RF1 - RF4 |
| | RF2 - RF3 |
| "1" | RF1 - RF2 |
| | RF3 - RF4 |

GUARANTEED PERFORMANCE

| Parameter | Min | Typ | Max | Units | Conditions |
|------------------------------|-----------|--------|-------|-------|---------------------------|
| Operating Frequency | 5 | | 1000 | MHz | |
| DC Current | | 0.35 | 20 | mA | At +5 VDC Supply |
| Control Type | | TTL | | | See Logic Table |
| Control Current | High | 0 | | μA | VIH = +2.7 V |
| | Low | 0 | | μA | VIL = +0.5 V |
| Isolation | 70 | 80 | | dB | 5 - 100 MHz |
| | 55 | 62 | | dB | 100 - 550 MHz |
| | 40 | 54 | | dB | 550 - 1000 MHz |
| Insertion Loss | | 1.0 | 1.3 | dB | 5 - 550 MHz |
| | | 1.25 | 1.7 | dB | 550 - 1000 MHz |
| VSWR | Thru | 1.09/1 | 1.3/1 | | |
| Impedance | | 50 | | OHMS | |
| Switching Speed | | 0.05 | 6.0 | μSEC | 50% TTL to 90% / 10% RF |
| Transition (Rise/Fall) Time | | 4 | | nSEC | 90% / 10% or 10% / 90% RF |
| Switching (Video) Transients | | 50 | | mV | Peak Value |
| Intercept Points | 2nd | +61 | | dBm | MHz |
| | 3rd | +30 | +43 | dBm | MHz |
| RF Power | Operate | +17 | | dBm | (0.1 dB Compression) |
| | No Damage | +20 | | dBm | |
| Operating Temperature | -54 | +25 | +85 | °C | TA |

TYPICAL PERFORMANCE

at 25°C

