

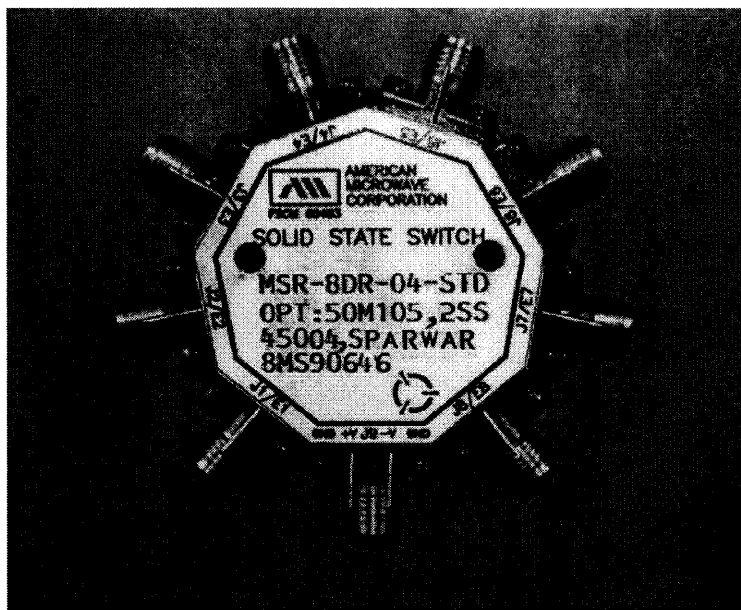


**AMERICAN MICROWAVE
CORPORATION**

SP8T REFLECTIVE RADIAL SOLID STATE PIN DIODE SWITCH

KEY FEATURES

- 70 MHz TO 1.5 GHz
(10MHz to 18GHz optional)
- SLIMLINE
- LOW INSERTION LOSS
- MINIATURE
- TTL LOGIC COMPATIBLE



AMC MODEL No: MSR-8DR-04-STANDARD OPTIONS 50M105, SPARWAR, 2SS, 45004

SPECIFICATIONS: (NON-REFLECTIVE)

| | | |
|-----------------------------------|---|--|
| • FREQUENCY RANGE | : | 70 MHz to 1.5 GHz (10MHz to 18GHz Optional) |
| • INSERTION LOSS | : | 1.6 dB MAX. |
| | : | 0.90 dB TYP. @ 70 MHz |
| | : | 0.90 dB TYP. @ 500 MHz |
| | : | 0.95 dB TYP. @ 1.0 GHz |
| | : | 1.25 dB TYP. @ 1.5 GHz |
| • ISOLATION | : | ≥ 55 dB MIN. |
| | : | ≥ 65 dB TYP. @ 70 MHz |
| | : | ≥ 60 dB TYP. @ 500 MHz |
| | : | ≥ 60 dB TYP. @ 1.0 GHz |
| | : | ≥ 55 dB TYP. @ 1.5 GHz |
| • VSWR | : | 2.0:1 |
| • SWITCHING SPEED | : | "RISE" 50nS MAX., 25nS TYP. |
| | : | "FALL" 150nS MAX., 120nS TYP. |
| | : | "ON" 150nS MAX., 130nS TYP. |
| | : | "OFF" 300nS MAX., 250nS TYP. |
| • CONTROL | : | Independent TTL Compatible (3 Bit Decoder available) |
| • VIDEO TRANSIENTS | : | ≤3.4 V Peak to Peak, 300 MHZ Bandwidth |
| | : | ≤3.25 V Peak to Peak, 20 MHZ Bandwidth |
| • RF INPUT POWER | : | +20dBm Operating, 1 Watt Survival (Other power Levels available) |
| • DC POWER SUPPLY | : | +5vdc @ +25mA MAX. |
| (Other supply voltages available) | : | - 5vdc @ - 75mA MAX. |
| • SIZE | : | 1.5" Dia. circle point to point X 0.40" (H) |
| • WEIGHT | : | ≤ 2.5 oz. |

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