## Features

- Internally Terminated
- Integral TTL Driver
- Low Loss: 0.8 dB Typical
- 50 Ohm Nominal Impedance
- MIL-STD-883 Screening Available


## Description

## Ordering Information

| Part Number | Package |
| :---: | :---: |
| SW-162-PIN | DI-1 |

Note: Reference Application Note M513 for reel size information.
Note: Die quantity varies.

## Functional Block Diagram



## Truth Table

| TTL Control Input <br> "1" = TTL Logic <br> High | Condition of Switch <br> RF Common to Each RF <br> Port |  |
| :---: | :---: | :---: |
|  | RF1 | RF2 |
| 0 | On | Off |
| 1 | Off | On |

[^0]- North America Tel: 800.366.2266 • Europe Tel: +353.21.244.6400
- India Tel: +91.80.4155721 - China Tel: +86.21.2407.1588

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Matched SPDT RF Switch,
20-1500 MHz
Electrical Specifications: $\mathrm{T}_{\mathrm{A}}=-55^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}^{1}$

| Parameter | Test Conditions | Frequency | Units | Min | Typ | Max |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insertion Loss |  |  |  |  |  |  |

1. All specifications apply when operated with bias voltages of +12 VDC and $-5 \mathrm{VDC}( \pm 5 \%)$ and 50 ohm impedance at all RF ports.

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## Typical Performance Curves

Insertion Loss


## VSWR



## Isolation



ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

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[^0]:    * Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

