



MU-DEL ELECTRONICS, INC.

Mu-Del Multicoupler / Switch Systems MDMS Series

The Multicoupler/Switch System is designed to operate in the frequency range of 1.5 MHz to 2400 MHz having as many as (64) sixty four inputs and (64) sixty four outputs. Any input can be switched to any or all of the outputs as selected by the host controller through an RS-232 Interface. The unit has an overall gain of 0 ± 2 dB and provides excellent Output-to-Output and Output-to-Input isolation. The unit's high dynamic range provides optimum performance over a wide range of input signal levels.

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| • Frequency Range (segmented) | 1.5 to 2400 MHz |
| • System Inputs | 16 to 64 |
| • System Outputs | 16 to 64 |
| • Overall System Gain | 0 ± 2 dB |
| • Input Level with no damage | +30 dm maximum |
| • Input 1 dB Gain Compression | +10 dBm minimum |
| • Dynamic Range | 89 dBm minimum |
| • Input VSWR | 2.0:1 maximum |
| • Output VSWR | 2.0:1 maximum |
| • Isolation any Output to any Input | 60 dBm minimum |
| • Isolation Output to Output | 70 dBm minimum |
| • Impedance | 50 ohms |
| • Matrix Function | Non-Blocking |
| • Switch Control | RS-232 or Ethernet |
| • Power Requirement | 90-260 VAC, 47-440 Hz |

Please consult factory for Ordering Information and to discuss options to modify any of the above specifications.

