

Model 303 Intermediate Frequency Distribution Matrix

The 303 Intermediate Frequency Switch Matrix is intended for down-link side routing and distribution of final IF signals to receivers and modems. The 303 is a Full Fan Out architecture, any input can be routed to any or multiple outputs. **The 303 is a fixed configuration matrix with 4 inputs and 16 outputs.** (For modular configurations, see the model 301.)

The unit's front panel display permits local users to view and change routings, as well as checking the health and status of the chassis. A local lockout command inhibits front panel access. All functions and status are also accessible through the remote interfaces. A simple ACSII literal based command set allows quick and easy remote control of the unit.

Electrical

Frequency Range	10 – 200 MHz
Insertion Loss	0 +/- 1.0 dB
Flatness	+/-0.5 dB
Path On/Off Isolation	55 dB
Maximum Operating Level	- 5 dBm
Inter-modulation Distortion, OIP ³	+18 dBm
Noise Figure	12 dB
Impedance	50 ohms
Return Loss / VSWR	-14 dB / 1.4:1
Primary Power	115/230VAC, 50/60Hz, 50 watts
Remote Interfaces	RS-574 (DTE) RS-485 (two wire) 10BaseT (RJ45)

Mechanical

Chassis Size	3U (5.25")H x 19"W x 20"D
RF Connectors	BNC Female

Environmental

Operating Temperature	0 to +50 C
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Configuration Information and Complete Model Number

303B-04-16

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