

Model 215 Test Routing Matrix

The Model 215 Test Routing Matrix is intended for routing test equipment to and from radio frequency units under test. The 215 is a Non Blocking architecture, any input can be routed any one output; no input or output can be simultaneously shared with another route. Up to 12 independent routes can exist in the matrix at any one time. All paths are bi-directional. The model 215 uses solid state PIN diode switching for fast and repeatable performance. All un-routed inputs and outputs automatically terminate (50 ohms).

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	0.10 – 6 GHz
Insertion Loss	4.0 dB at 0.10 GHz 8.0 dB at 6 GHz
Path On/Off Isolation	60 dB
Maximum Operating Level	+30 dBm
Inter-modulation Distortion, OIP ³	+48 dBm
Switching Speed	1.5 uS
Noise Figure	See Insertion Loss
Impedance	50 ohms
Return Loss / VSWR	-14 dB / 1.4:1
Primary Power	115/230VAC, 50/60Hz, 125 watts
Remote Interfaces	RS-574 (DTE) RS-485 (two wire) 10BaseT (RJ45)

Mechanical

Chassis Size	6U (10.5")H x 19"W x 20"D
RF Connectors	N type female

Environmental

Operating Temperature	0 to +50 C
-----------------------	------------

Configuration Information

215

ARS Products LLC

North Grosvenordale, CT USA 06255

Email: a_r_s_products@sbcglobal.net Telephone: (860) 923-2596