

## Model 328 & 329, IF Distribution Matrices

The 328 and 329 families of solid-state Intermediate Frequency (IF) Switch Matrices are intended for distribution of low frequency IF signals to receivers and modems. Both models use Full Fan Out architectures; any input can be routed to multiple outputs. The model 328 is for 50 ohm installations and the model 329 is for 75 ohm sites. Both models are modular, allowing the matrix size to be custom configured (or serviced) in the field. Inputs can be configured from 4 to 32 inputs, in steps of four. Outputs can be configured from 4 to 32 outputs, in steps of four.

The unit's front panel display and key area permit local users to view and change routings, as well as checking the health and status of the chassis. 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. The model 328 and 329 also features redundant "hot swappable" power supplies.

### Electrical

Frequency Range	5 – 250 MHz
Insertion Loss	0 +/- 1.5 dB
Ripple, any 50 MHz segment	+/-0.5 dB
Path Off Isolation	65 dB. Min
Maximum Operating Level	+5 dBm
Maximum Level, No Damage	+17 dBm
Inter-modulation Distortion, OIP <sup>3</sup>	+21 dBm
Noise Figure	8 dB
Impedance	50 ohms, model 328 75 ohms, model 329
Return Loss / VSWR	-14 dB / 1.5:1
Primary Power	115/230VAC, 50/60Hz, 250 watts
Remote Interfaces	RS-232/574 (DTE) RS-422 or RS-485 (2 wire) 10/100BaseT (RJ45)

### Mechanical

Chassis Size	9U (15.75")H x 19"W x 20"D
RF Connectors	BNC Female

### Environmental

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

### Configuration/Ordering Information

**328-XX-YY** or **329-XX-YY**

where **XX** is the number of inputs 04 through 32  
and **YY** is the number of outputs 04 through 32.

**ARS Products LLC**

**North Grosvenordale, CT USA 06255**

**Email: [a\\_r\\_s\\_products@sbcglobal.net](mailto:a_r_s_products@sbcglobal.net) Telephone: (860) 923-2596**