

***Model INT-9088***

***Wideband Video Intermediate Frequency Matrix Switch***

***FEATURES:***

- Fully buffered 8 x 8 non-blocking switch
- 50 and 75 Ohm models available
- Frequency range DC to 350 MHz
- Ideal for 70, 140 and 160 MHz IF signals
- Gain flatness < +/-0.5dB any 50MHz BW
- Group delay < 2.5ns
- Channel to channel isolation > 55dB to 200 MHz and >45 dB to 350 MHz
- Reliable and rugged solid state design
- Remote control via V.24 (RS-232C)
- 10/100Base-T Ethernet SNMP optional
- Front Panel Control optional
- Redundant AC and DC power options available
- Front or rear panel connector models available
- Small size (1U), low power, low cost

***APPLICATIONS:***

- Satellite ground station switching and routing of microwave receiver IF outputs to demodulators
- Broadcast/HDTV Quality component video switching and routing
- Video processing equipment Automatic Test Equipment (ATE)
- Signals analysis laboratory

***GENERAL DESCRIPTION:***

The INT-9088 is a fully non-blocking 8 x 8 matrix switch for wideband video intermediate frequency IF signals. It offers superior differential gain flatness, exceptionally low differential group delay and it is ideal for the switching of demanding and complex modulated waveform signals such as 256 QAM. Typical applications include IF output of satellite or terrestrial microwave receivers and broadcast quality High-Definition TV signals (HDTV, NTSC, PAL, SECAM and RGB). By combining exceptional performance, small size (1U) and low cost the INT-9088 provides a unique switching solution for small scale installations.

## ***Model INT-9088***

### ***Wideband Video Intermediate Frequency Matrix Switch***



#### ***SPECIFICATIONS:***

Frequency	DC – 350 MHz
Impedance	50 or 75 Ohms (optional)
Switch Matrix Size	8 inputs, 8 outputs, fully non-blocking
Signal Connector Type	BNC
Amplitude (gain) Flatness	< +/-0.375dB across any 50MHz BW
Insertion Loss	-0.015 dB per MHz DC to 200 MHz -0.030 dB per MHz 200 MHz to 300 MHz -0.045 dB per MHz 300 MHz to 350 MHz
Group Delay	< +/-2.5ns
Output Channel to Channel Isolation	> 55 dB DC to 200 MHz > 45 dB 200 MHz to 350 MHz
Return Loss	> 10 dB
Maximum Operating Input Signal Level	0 dBm
1dB Compression Point	+9 dBm at 70 MHz, +4 dBm at 140 MHz
Remote Control	V.24 (RS-232C) 19.2 kbps serial 10/100Base-T Ethernet SNMP (optional)
Front Panel Control	VFD Display & Switches (optional)
Power Consumption	4W (typical)
Mechanical	1U high (1.75") RETMA standard 16.8" wide, 17.0" deep, 1.75" high
Weight	7 pounds
Operating Temperature	0 – 50C non-condensing
Power Supply	120/240 VAC 50/60 Hz auto-ranging 24, -48 VDC (optional) Dual redundant supplies (optional)

Copyright © 2003 Intronics, Incorporated ALL RIGHTS RESERVED  
All design and specifications are subject to change without notice.