

# MAXNET® II

*Platinum Series*

RF & Optical Signal Management

Patented  
U.S.# 7,142,414



3RU Active Chassis  
(front view)

## Active Products

### RF Detector A/B Switch:

- ▶ RF detector A/B switch & 2-way splitter in one module
- ▶ Ideal for automated RF signal back-up or redundant RF amplifier applications (see application diagram)
- ▶ Nominal RF level is measured on A & B paths
- ▶ Front LEDs indicate module power & switch position
- ▶ High performance MCX connectors (with optional F connectors)
- ▶ Voltage, current, temperature, nominal RF power levels (A&B), switch position, & alarm threshold are easily monitored & controlled over the network (HMS compliant (SNMP v2c)) or through a web browser; e-mail alarm notification is also supported
- ▶ RF detector A/B switch module takes up 2 slots in MAXNET® II chassis (total of 24 slots)

### RF Detector A/B Switch Specifications

SPECIFICATIONS	RF DETECTOR / SWITCH MPRFA/B	
	REDUNDANT AMPLIFIER CONFIGURATION	A/B SWITCH CONFIGURATION
<b>RF SPECIFICATIONS (5-1000 MHz)</b>		
INSERTION LOSS (Max)	< 6.0 dB	< 2.0 dB
INPUT/OUTPUT RETURN LOSS (Min)	> 18 dB	
ISOLATION (Min)	> 60 dB	
<b>OPERATIONAL SPECIFICATIONS</b>		
COMPOSITE RF POWER RANGE	25-75 dBmV	
SWITCH THRESHOLD CONTROL	HMS SNMP v2c, Web Browser, Proprietary Network Interface	
SWITCH TIME (Max)	< 10 mS	
SWITCH STATUS INDICATION	Front Panel LED's and HMS SNMP v2c, Web Browser, Proprietary Network Interface	
TEMPERATURE	-40°C to +60°C (-40°F to +140°F)	
<b>ELECTRICAL SPECIFICATIONS</b>		
INPUT VOLTAGE	24 VDC	
INPUT CURRENT	30 mA	
POWER INDICATOR	Front Panel LED	

### Ordering Information

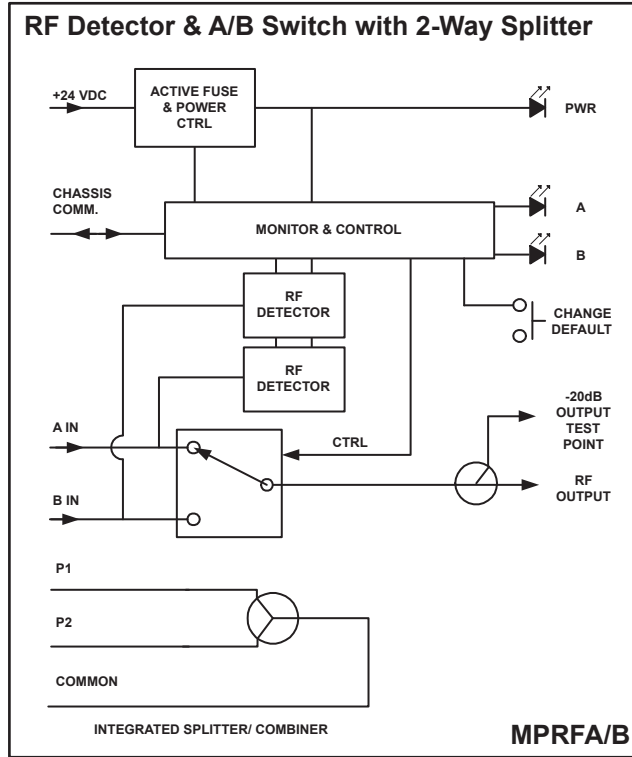
Part Number	Description
MPRFA/B	1000 MHz, RF Detector / Switch, MCX Connectors
MPRFA/BF	1000 MHz, RF Detector / Switch, F Connectors



## RF & Optical Signal Management

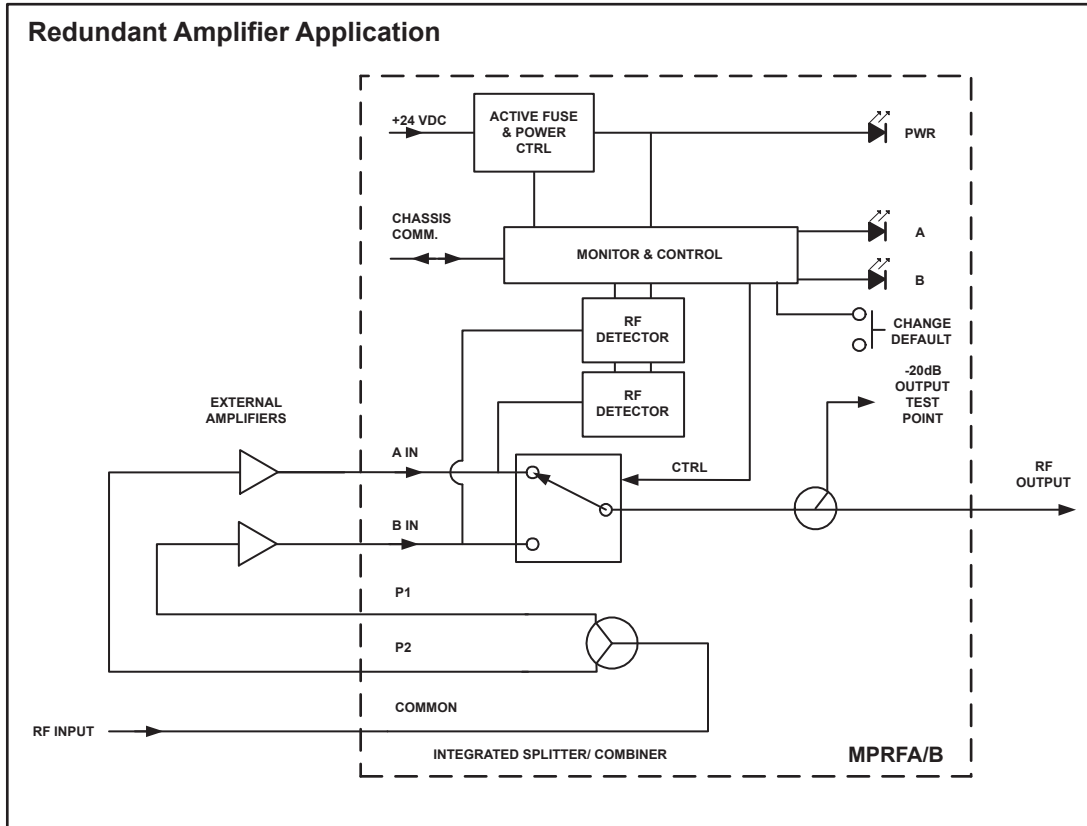
### RF Detector A/B Switch:

#### Functional Schematic



**RF Detector A/B Switch:**

**Application Diagrams**



## RF & Optical Signal Management

### RF Detector A/B Switch:

#### Application Diagrams (cont'd)

