Microlab

Public Safety | Mission Critical

PUBLIC SAFETY COMPONENTS (Available with 7-16 DIN, N, 4.3-10 Connectors)		
Available Product Series	**Features**	**Images**
SPLITTER (REACTIVE/WILKINSON)		
• Dx-08 • Dx-41 • Dx-49	• 138 - 960 MHz (Up to 6 GHz) • 10 to 500W • Ways: 2,3,4 • Very Low Insertion Loss • >20 dB isolation (Wilkinson)	
TAPPER		
• DN-x1 • DN-x4	• 137 to 960 MHz (Up to 6 Ghz) • Splits: 2:1 to 1000:1 • Equal / unequal • 500 W average • Minimal RF insertion loss	
DIRECTIONAL COUPLER		
• CK-20 • CK-7x1 • CK-80	• 80 - 520 MHz (Up to 2.7GHz) • Coupling: 3 to 50 dB • Directivity up to 25 dB • 100 to 200W • Low VSWR	
HYBRID COMBINER/MATRICES		
• CA-92 • CA-94 • CA-99 • CM-91 • CM-98 • CM-99	• 128 to 960 MHz • 80 to 150W • Ports: 2x2, 3x3, 4x4 • 30 dB isolation • Low VSWR	
DIPLEXER FILTER		
• BK-04 • BK-05 • BK-12 • BK-24 • BK-26 • BK-27 • BK-62 • BK-67 • BK-68 • BL-18PS • BL-26PS	• 50 MHz to 2,700 MHz • Minimal Loss • Up to 50 dB isolation • 10 to 200W • Very low PIM	
ATTENUATOR/TERMINATOR		
• TA series • TB series • TK-200 • TK-21 • TK-23 • TK-25 • TK-27 • TK-28 • AM/N/P/Q/R • AR-R • AS-AU • AV-60F	• DC to 3 GHz • 1W to 200W average • High Peak Power • Excellent VSWR • Low PIM Models Available	
DC BLOCK		
• HR-20 • HR-21/22 • HR-25 • HR-28	• 250 to 2,700 MHz • 250 to 500W • 3 kV High Voltage Rating • Minimal Loss	
ANTENNA		
• YA-17NF	• 380 MHz to 6.0 GHz • 60W • For Indoor Applications • Low PIM • Small Size and Light Weight	
JUMPER CABLES		
• JA-10MN - N(m-m) • JA-10MX - 4.3-10(m-m) • JA-10MD - 7-16(m-m) • JA-10MY - 4.3-10(m)-7-16(m) • JA-10MA - 7-16(m)-N(m) • JA-10MZ - 4.3-10(m)-N(m)	• DC to 6.0 GHz • 100W • 0.5 to 4 meters length • Multiple Connector Options • Low PIM	

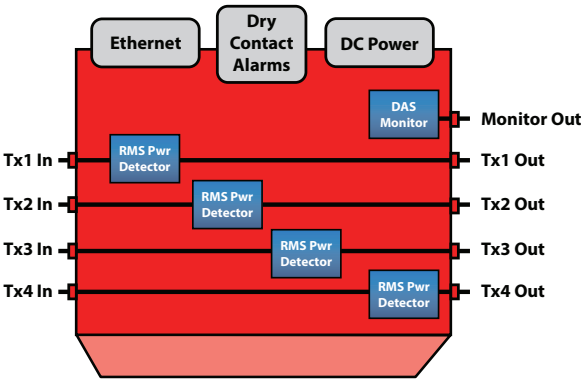
Public Safety / Critical Communications

Microlab has a long history in Mission Critical applications. We began in 1949 as a supplier of coaxial components for the Defense and Microwave industries. Since the 1990's Microlab has become a leader in the emerging commercial Distributed Antenna System (DAS) Market. Our components are approved and in use world-wide by many of the largest Wireless Service Providers.

Our reputation and commitment to quality andperformance is second to none. Microlab passive components cover all of thePublic Safety/Transportation/Utility frequencies with products ranging from DC through 6 GHz and we were one of the first companies to understand and define the impact of PIM on these infrastructure systems. Microlab has built on that experience to introduce a new integrated solution specifically designed to monitor the network status of Public Safety communications systems. This solution features enhanced monitoring and reporting capabilities that are ideal for both new and existing networks.

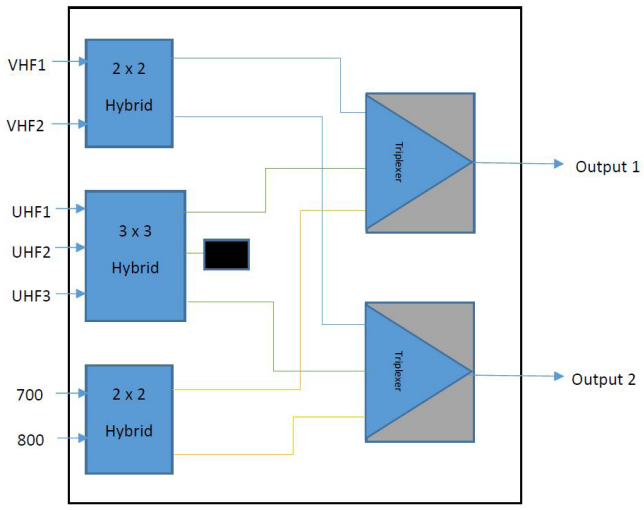
Passive Systems Monitor | PSM04

The Passive System Monitor (PSM04) monitors the DAS downlink signal of Public Safety communications networks with virtually no impact on the network coverage, allowing emergency responders to ensure that their communications networks are operational when they are most needed. This unit can be used with existing DAS installations or combined with Microlab's passive RF components to provide a complete remote signal monitoring solution.



DCC Combiner Tray

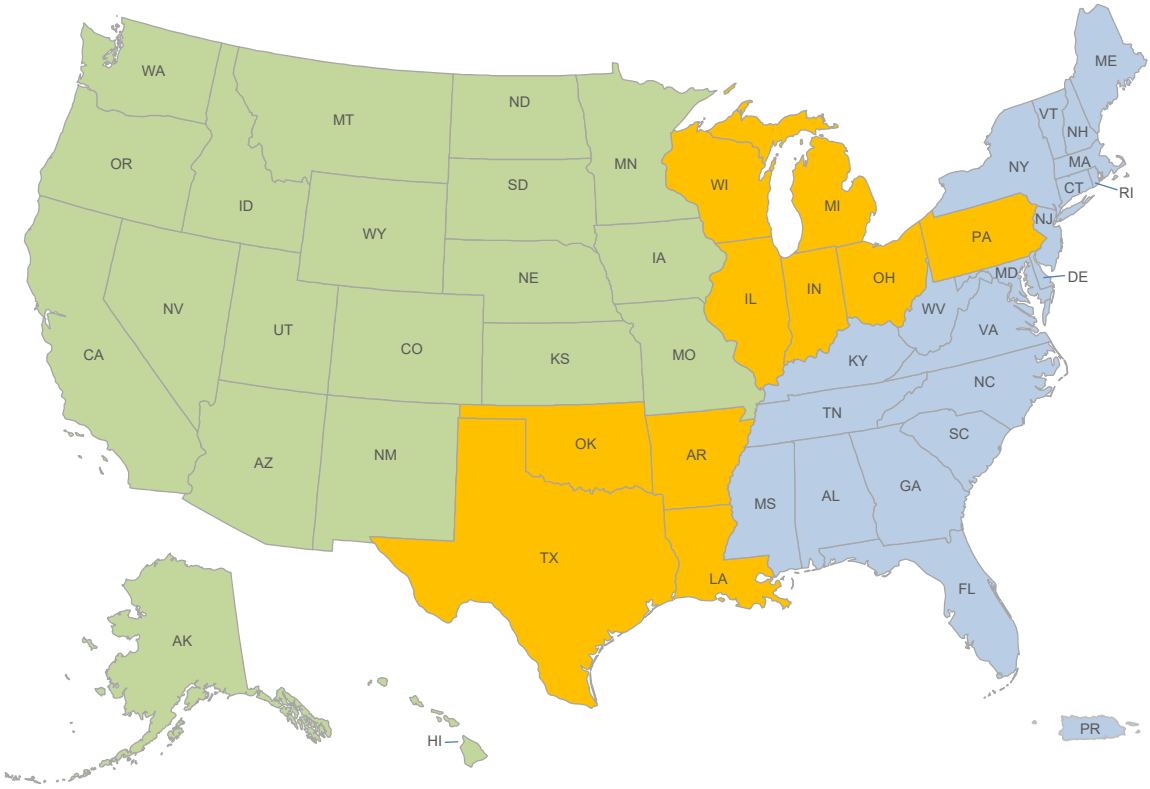
DCC broadband RF Combiners have been designed to meet the needs for multiple service configurations for in-building systems, with low passive intermodulation (PIM). The example system combines up to 7 RF Inputs in the operating bands for 2 antenna feeds or distribution cables. Custom configurations are available up to 12 RF Inputs.



Microlab US Territories

Contact Information

Regional Sales Managers



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