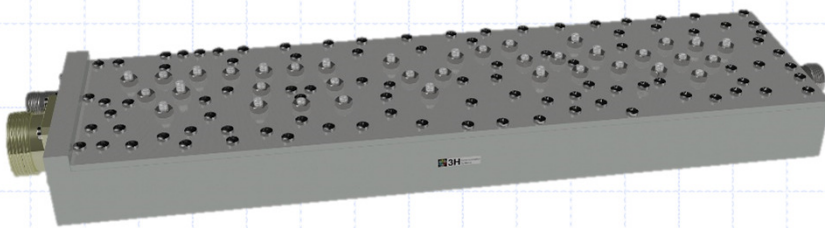


June 30, 2014

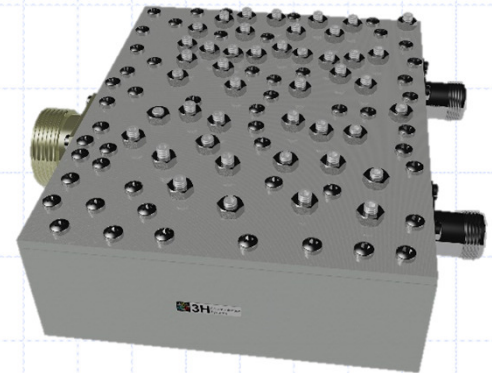
For Immediate Release

3H Communication Systems is pleased to announce
High Power and Low Passive Inter-Modulation (PIM) Filter Products

Our DAS products offer high power and low Passive Inter-modulation (PIM) performance. 3H Communication Systems offers a complete line of low Passive Inter-modulation filter products for the DAS market including the following bands, 700 MHz, Band 5, AWS, PCS and SMR



700 MHz Duplexer/Triplexer



Band 5, PCS, AWS, SMR

700 MHz Bands	Insertion Loss	Isolation RX to TX	Return Loss	Input Power	Peak Power	* PIM Comm Port	Size
RX 1: 698 to 776 MHz	1.0 dB						
TX: 728 to 757 MHz	1.0 dB	80 dB	- 18 dB	100 W	1000 W	150 to 170 dBc	396 x 91 x 35
RX 2: 776 to 787 MHz	1.0 dB						

Band 5	RX	TX	Insertion Loss	Isolation	Return Loss	Input Power	Peak Power	* PIM Common Port	Size
Band 5	824 to 849 MHz	869 to 894 MHz	0.85 dB	70 dB	- 18 dB	110 W	1100 W	150 to 170 dBc	144 x 116 x 1.97
AWS	1710 to 1755 MHz	2110 to 2170 MHz	1.0 dB	70 dB	- 18 dB	100 W	1000 W	150 to 170 dBc	144 x 116 x 1.97
PCS	1850 to 1915 MHz	1930 to 1995 MHz	1.0 dB	70 dB	- 18 dB	100 W	1000 W	150 to 170 dBc	144 x 116 x 1.97
SMR	806 to 824 MHz	851 to 869 MHz	1.0 dB	70 dB	- 18 dB	100 W	1000 W	150 to 170 dBc	144 x 116 x 1.97

*** Note: PIM specification is 2 x 20 watt tones input to the antenna port measuring in the reflective mode. Also available in 2 x 40 w. PIM performance varies from type N vs. 7/16th connector**

3H Communication Systems, Inc. is a premier high value microwave and RF company supporting the military and commercial markets with RF Filters, Duplexers/Diplexers, Multiplexers, Multi-Function Assemblies, RF Front-End Solutions. The high degree of engineering and technical capability focused on innovation with decades of expertise for low cost and high quality RF products allows 3H to offer premium microwave and RF filter products and solutions at discounted prices. 3H understands that highest quality is achieved when quality is designed in and potential problems are designed out. 3H works with customers to achieve optimal solutions for both performance and price. Highest achievable quality does not have to be expensive.

You can find out more about 3H and our products by visiting our website at www.3HCommunicationsystems.com or call 949-529-1583