

# **RADITEK INC.**

**RADITEK is pleased to announce its new line of HIGH VOLUME, Ultra Low Cost, High Power Telecom Couplers, Combiners, Loads and Filter Combiners. Actual examples of our High Volume Products are shown in this brochure. Some units are being shipped in up to several thousand per day. Please contact Raditek Sales, [Sales@Raditek.com](mailto:Sales@Raditek.com) with all your volume requirements, for Lowest Possible Price.**



High performance 200W Directional Couplers, with N type connectors  
The unit shown covers 800 to 2500MHz. It has a PIM or -130dBc with 2 x 20W tones. Isolation between ports is better than 30dB, and VSWR lower than 1.2:1.  
It measures: 120 x 40 x 16.5mm, and has a various coupling factors from 5 to 40dB. It has an operating temperature of -25 to 75°C.  
Model: RCPL-800-2500M-40d-Nf-200W  
(40 dB coupler example)






High performance, **200W, 3 way cavity power dividers**, with N type connectors  
The unit shown covers 800 to 2500MHz. It has a Insertion loss less than 0.3dB. Isolation between ports is better than 25dB, and VSWR lower than 1.2:1.  
It measures: 233 x 60 x 25mm, and has a band pass ripple of less than 0.3dB. It has an operating temperature of -35 to 75°C.  
Model: R3SC-800-2500M-Nf-200W



High performance **500W Base station couplers**, with 7/16Din type connectors.  
The unit shown covers 800 to 2500MHz. It has a PIM3 of -140dBc with 2 x 20W tones. PIM5 at -155dBc with 2 x 20W tones. Isolation between ports is better than 30dB, and VSWR lower than 1.25:1.  
It measures: 180 x 61 x 45mm, and has a various coupling factors from 5 to 40dB. It has an operating temperature of -25 to 85°C.  
Model: RCPL-800-2500M-7/16f-500W

Our new **50W dummy load** with N type connector  
The unit shown covers DC to 3000MHz., with a VSWR lower than 1.2:1.  
It measures: 216 x 45 x 99mm, and has a Various power ratings from 2W to 200W. It has an operating temperature of -20 to 75°C.  
Model: RTERM-DC-3-Nf-50W



	<p>High performance, <b>300W Base Station Coupler</b>, with 7/16 Din type and N type connector on the 50dB coupled port. The unit shown covers 800 to 2500MHz. It has a PIM3 or -140dBc with 2 x 20W tones. PIM5 or -155dBc with 2 x 20W tones. Coupling factor has 50dB and VSWR lower than 1.25:1. It measures: 167 x 68 x 32mm, and has a various coupling factors from 30 to 50dB. It has an operating temperature of -35 to 65°C. Model: RCPL-800-2500M-50dB-Nf-7/16f-300W</p>
<p>High performance <b>200W Quadrature Hybrid</b>, with N type connectors The unit shown covers 800 to 2500MHz. It has a PIM or -120dBc with 2 x 20W tones. Isolation between ports is better than 25dB, and VSWR lower than 1.23:1. It measures: 133 x 40 x 25mm, and has a band pass ripple of less than 0.3dB. It has an operating temperature of -20 to 75°C. Model: RQH-800-2500M-Nf-200W</p>	
	<p>High performance, <b>200W, Cavity Bandpass Filters</b>, with N type connectors The unit shown covers 1710 to 1755MHz. It has an Insertion loss of less than 1dB. Return loss is better than 20dB. (can be customized production). It measures: 233 x 60 x 25mm, and has an out of band rejection of more than 90dB. It has an operating temperature of -20 to 55°C. Model: RCBPF-1710-1755M-Nf-200W</p>
<p>High performance, <b>100W, Cellular WLAN Combiner</b>, with N type connectors. The unit shown covers 800-2200MHz (806-960MHz/ 1710-2200MHz) and 2400-2500MHz combined output, which not only can save feeders, but also avoid the trouble of switching the antenna (can be customized for production). It measures: 178 x 84 x 22mm, and has a band pass ripple of less than 0.3dB. It has an operating temperature of -40 to 85°C. Model: R2C-800-2200M-2400-2500M-Nf-100W</p>	
	<p>High performance <b>300W Base Station Coupler</b>, with 7/16 Din type and N type connectors. The unit shown covers 800 to 2500MHz. It has a PIM3 or -140dBc with 2 x 20W tones. and PIM5 of -155dBc with 2 x 20W tones directivity of &gt;50dB, and port VSWR better than 1.25:1. It measures: 167 x 68 x 32mm, and has a various coupling factors from 30 to 50db. It has an operating temperature of -35 to 65°C. Model RCPL-800-2500M-40d-7/16f 300W</p>