

RF & MICROWAVE PRODUCTS

S H O R T F O R M C A T A L O G

ANATECH MICROWAVE COMPANY

CONTACT US TODAY! SALES@ANATECHMICROWAVE.COM | **973.772.4242**

Anatech Microwave Company, 70 Outwater Lane, Garfield, NJ 07026



THE LARGEST SELECTION OF RF & MICROWAVE PRODUCTS IN THE INDUSTRY. ALL IN ONE
CONVENIENT PLACE, PLEASE VISIT OUR WEBSTORE
WWW.ANATECHMICROWAVE.COM

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OUR PRODUCT FOCUS

Anatech Microwave Company products include but not limited to Power Dividers, Directional Couplers, Hybrid Directional Couplers, Circulators, Isolators, Attenuators, Terminators, Adapters, Rf Test Cables, RF Cable Assemblies, & RF Low noise Amplifiers. AMCrf constantly adds new RF products to its arsenal of RF Products, and best would be to periodically visit our website for new products and updates.

· Our Products are used in:

- Wireless communication systems
- Defense electronic systems (electronic warfare, electronic countermeasures, radar, and communications)
- Public safety
- Medical systems
- GPS navigation systems
- Satellite communications terminals
- IEEE 802.11a/b/g/n WiFi systems
- Point-to-point microwave links
- ...And many others.

WHY CHOOSE AMCrf

Large Database of Products
Ease of access
Request a quote online
Order and pay online
Technical and sales support

PRODUCTS FOR WIRELESS APPLICATIONS

AMCrf supplies many products specifically designed for the wireless communication, in bands such as, but not limited to WiFi, GSM, PCS, WCDMA, LTE, D block LTE, INMARSAT, IOT, and all other wireless communication systems.

CAPABILITIES AND FACILITIES

Anatech Microwave Company services include a technical staff with many decades of experience in the RF and microwave field, supported by highly-qualified sales engineers, administrators, quality control, marketing, IT, and accounting staff. The company maintains full testing capabilities to assure conformance in every RF product offered.

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AMCrF Power Dividers



AEI Standard and Custom low-power and high-power 2, 3, 4, 6, 8, 12, 16, and 32-way Wilkinson power dividers/combiners are available with operating frequencies from 1 MHz to 18 GHz. They have low Insertion loss, high isolation, high power handling ability, and can withstand hostile environmental conditions. AEI also offers a full line of standard power dividers tailored for wireless communications applications that have insertion loss of less than 1 dB, up to 25 dB of isolation, and RF power handling ability up to 100 W. All power dividers are available in connectorized and surface-mount packages or special configurations depending on frequency range.

Freq. range	Number of outputs	VSWR (typ.)	Input/output Impedance (ohms)	Avg input power (Watts)	Package styles	Operating Temperature (o C)
10 kHz to 18 GHz	2, 3, 4, 6, 8, 12, 16, 32	1.5:1	50	1 to 400	Connectors SMT	-55 to +85

AMCrF Directional Couplers



Anatech Microwave offers single-ended, dual-directional, and hybrid directional couplers with operating frequencies from 1 MHz to 18 GHz. They are available in low-power or high-power models, have low insertion loss, directivity up to 30 dB, and coupling values from 6 dB to 50 dB. The directional couplers are rugged, highly stable over temperature, and can withstand hostile environmental conditions. They range in length from 0.5 to 8 in. depending on their performance characteristics. Connectorized, surface mount, and printed circuit board mount configurations are available and they can be specified in low power, high power, low loss, octave, dual octave, and broadband versions. Maximum RF power handling ability is 500 W average and 3 kW peak. AEI hybrid couplers split an input signal with a 90-deg. phase shift between their output ports or combine two signals while maintaining high isolation between ports.

Freq. Range	Coupling Value (dB)	VSWR (typ.)	Coupling Port	Max. input power (W)	Input/output Impedance (ohms)	Package styles	Operating Temperature (o C)
1 MHz to 18 GHz	3 to 50	1.5:1	Single or dual	500	50	Connectorized	-55 to +85

AMCrF Hybrid Directional Couplers



AMCrF provides a variety of single and dual directional couplers covering a frequency range of 100 KHz – 20 GHz. with directivity as high as 35 dB/min, low insertion loss of 0.3dB typ and a VSWR of 1.2:1 makes them extremely valuable for in-line monitoring and power measurements at CDMA, PCS, WIFI and WCDMA and all major wireless communication frequencies. Standard coupling values of 10,20,30,40 and 50 dB are available. SMA and N type connectors are used as in/out and coupling connectors.

Frequency Range	Coupling Values	Insertion Loss	Directivity	Connector Type
100KHz to 20GHz	up to 50 dB	0.1 to 1.5dB	up to 40 dB	SMA & N Type

AMCrF Isolators & Circulators



Anatech Microwave Company offers components a variety of Coaxial Isolators and Circulators, In Drop in, Surface mount and Waveguide configurations. The Isolators and Circulators range in frequencies from 50 MHz to 40 GHz and are used in many applications such but not limited to Cellular Base Station, Cellular Mobile Communication, PCN / PCS, VSAT, Satellite Communications, Space Communications, Radar Astronomy, Navigation and guidance control.

Frequency Range	Isolation	Insertion Loss	VSWR	Power Handling
50 MHz to 40 GHz	15 to 25 dB	0.25 to 0.9 dB	1.15 to 1.4	20 to 150 Watts

AMCrF Attenuators



AMCrF provides reliable attenuators covering a frequency range of DC- 2.5 GHz. Variable attenuation from 1-30 dB is available. They provide a VSWR of 1.2:1 typ with low insertion loss making them useful for test measurements at CDMA, GSM and PCS frequencies. Since the attenuator is made of non-inductive resistor, the attenuator is able to convert the source or load which might be reactive into a precise and resistive value. The power reduction is achieved without any distortion. SMA and N type interface are available.

Frequency Range	Attenuation Value	Input Power	Connector Type
DC to 2.5 Ghz	1 to 60 dB	1 to 50 Watt	TNC, SMA, N Type

AMCrF Terminators



AMCrF provides 50Ω coaxial terminators varying from a frequency range of DC-20 GHz. Coaxial terminations are used to prevent reflection back from unused ports. Typical VSWR of better than 1.2:1 and high power handling capacity makes them extremely valuable for proper termination of unused ports in high frequency high power duplexer applications. Standard BNC, N type and SMA connectors are used as an interface to the coaxial terminations.

Frequency Range	VSWR	Input Power	Connector Type
DC to 20 GHz	1.15 to 1.25	1 to 50 Watt	SMA, N Type

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AMCrf Adapters



Anatech Microwave Company (AMCrf) offers many Coaxial adapters used in critical Military communication systems, Homeland security systems, Wireless communication systems and other critical applications. AMCrf Coaxial adapters come in many styles and can also be customized for very specific use or applications.

Frequency Range	Connectors	Insulation	Plating
DC to 40 GHz	SMA, NType	Teflon & Delrin	Nickel, Gold, & Silver

AMCrf LNA



Our LNA extends in frequencies from 0.01-40GHz with superb performance, and stability. The operating temperature extremes are from -55 to +85 deg. C. and storage temperature extremes of -65 to +105 deg. C. Our Thin film process leads to a very low noise characteristics, excellent temperature stability, and most of all excellent repeatability due to our mature thin-film process. They are available in gains from 10-50 dBm, and use a supply voltage of 5, 10 and 12 Volts DC depending on the particular product.

Frequency Range (GHz)	Gain (dB)	Gain atness (dB)	Noise Figure (dB)	P1dB	VSWR (typ)	Impedance (Ohms)	Power Supply	Package Style
0.1 to 40	10 to 50	0.3 to 3.0	0.5 to 6.0	2 to 32	2.0:1	50	12 V	SMA or 2.92mm

AMCrf Cable Assemblies



AMCrf cable assemblies capability extend to the high end very rugged and build for multiple connect disconnect to the high end RF cable assemblies used in communication system where attention to the environment is of utmost importance. All our cable assemblies are fully tested and subjected to stringent quality control requiremtns. Beside its RF cable assembly capability AMCrf also provides Harnesses made to exact specifications and assembly requirement. Our harnesses are used in Military as well as Commercial applications

MORE ABOUT AMCrf

DEFENSE

Our broad range of RF products are designed to meet the tough requirements of EW, ECM, ESM, radar, communications, and other military systems.

SATELLITE

We design offer RF products for satcom systems operating up to 20 GHz.

PUBLIC SAFETY

Our RF products cover all public safety frequencies from VHF through UHF, as well as the newly assigned D-block LTE. Products can be designed for indoor and outdoor installations.

AVIONICS AND RADAR

We specializes in RF products designed for indoor and outdoor installation within radar, air traffic management, and avionics systems.

WIRELESS

AMCrf specializes in RF product for wireless applications, for use indoors and outdoors in base stations, repeaters, mini-cells, micro-cells operating in all wireless bands, such as GSM, LTE, WCDMA, GPS, WiFi, and more.

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IT'S EASY TO ORDER FROM AMCrf

Standard RF Products

Visit our Web store, www.anatechmicrowave.com, for hundreds of AMCrf products you can purchase directly at the site for rapid delivery.

Ordering From AMCrf Products

Ordering from Anatech Microwave Company is easy and very user friendly. Search for the product you are looking for, and once found you can either request a quote or if in stock buy directly from our website

Form-Fit Replacements

AMCrf can also supply RF products that match those offered by other manufacturers at very competitive prices. Just provide the competitor's full part number, a specification control drawing, or measured response and mechanical information. The more information you can give to us the more precisely we can match the specifications of the product

PAYMENT

Accepted forms of payment are:

- Credit card: Visa, MasterCard, or American Express
- Corporate check
- Wire transfer
- Bank check

All orders must be prepaid unless your company has an open account with Anatech.

Applying for an Open Account:

In order to be approved for an open account, Anatech requires the following:

- A minimum of three business credit references
- Bank information

Time required for approval depends on how quickly your business references and bank respond to our inquiries. Once approved, a letter or e-mail of approval will be sent to you by our finance department advising you of payment terms and your credit limit (if applicable).

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