



www.pasternack.com

Pasternack

Since 1972, Pasternack has steadily grown by aligning its offerings to match the needs of our Customers. We maintain an inventory of more than 40,000 products that are always available which gives you access to products ranging from the rare, hard-to-find specials to the broadest array of industry standards.

• The Industry's Largest Selection of In-Stock RF Components

- ♦ 99.4% Off-the-Shelf Availability
- ♦ Same-Day Shipping Available on more than 40,000 Products
- ♦ ISO 9001:2015 Certified
- ♦ 24/7 Expert In-house Technical Support

• High Isolation Pin Diode Switches



Pasternack's new PIN diode switches feature very high port-to-port isolation of greater than 90 dB at 1-2 GHz, 80 dB at 2-4 GHz and 75 dB at 6-12 GHz. Insertion loss of the high isolation switches from Pasternack varies between 1.0 dB and 2.5 dB depending upon the frequency and switching speed performance ranges from 35 and 75 nanoseconds. These new RF switches are designed with complementary-metal-oxide-semiconductor (CMOS) transistor-transistor logic (TTL) drivers, and are fully matched internally for 50 Ohm input and output, which eliminates the customers need for any additional sensitive RF tuning components.

• Multi-Octave Wilkinson Power Dividers



- ♦ Covers 0.5 – 2.7 GHz
- ♦ 2-way, 3-way, 4-way and 8-way Splitters Available
- ♦ 10 to 30 Watts Power Handling
- ♦ 1.4:1 Maximum VSWR
- ♦ Cover 3G, 4G, WiFi Frequency bands – Well suited for applications such as Distributed Antenna Systems (DAS)

• Medium & High Power RF Loads



Our RF load terminations are available in 2.4mm, 2.92mm, 7/16 DIN, BNC, C, Mini SMB, Mini SMP, N, QMA, SMA, SMB, SMC, SMP and TNC connector types. RF load terminations from Pasternack are organized into two categories, feed-thru load and RF load. Pasternack Enterprises RF terminations include precision and standard versions with 0.25 Watts, 0.5 Watts, 1 Watts, 2 Watts, 5 Watts, 10 Watts, 25 Watts, 50 Watts and 100 Watts models

• Tunable Band Pass & Band Reject Filters



Pasternack tunable band pass filters and band reject filters (also referred to as band-stop filters or band-rejection filters) are bench top units designed for lab use where they are an integral part of the test lab environment. Six adjustable bandpass filter configurations are available with octave-band tuning from 125 MHz to 3 GHz and a 5% pass band. These variable band pass filters use a tunable 5-section design and have a mechanical direct dial that is accurate within 1%.

• 60 GHz WR-15 Antennas



WR-15 60 GHz millimeter wave horn antennas are available with a square flange on the connection side. Although our millimeter wave WR-15 antennas operate for 60 GHz applications, they are broadband waveguide gain horns that have a minimum frequency range of 50 GHz to 58 GHz and 63 GHz to 75 GHz maximum. Pasternack millimeter wave 60 GHz antenna products come in 0 dB, 20 dB, 24 dB and 34 dB models

• MIL-DTL-17 High Reliability RF Cable Assemblies



Pasternack's military-grade cable assemblies consist of 124 basic configurations from six different cable types for a total of more than 700 part numbers that are all available for same-day shipment. These cables provide operating frequencies of up to 12.4 GHz and VSWR as low as 1.3:1 per connector. They are made from MIL-DTL-17 qualified cable, MIL-PRF-39012 qualified connectors, AS23053 heat shrink and feature J-STD soldering. These commercial off-the-shelf (COTS) cable assemblies are 100% tested and include a test report, as well as material lot traceability.

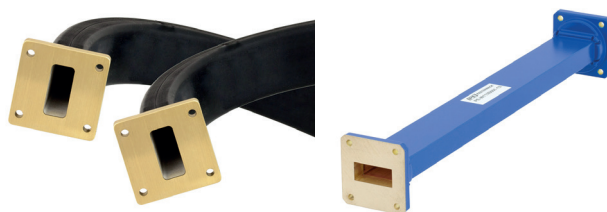
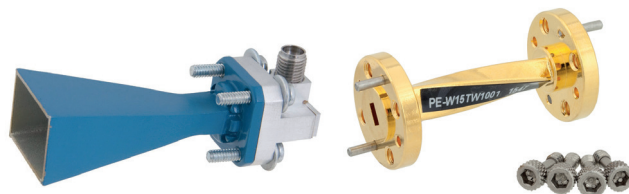
• Connectorized RF Amplifiers



Pasternack offers the industry's largest selection of off-the-shelf RF Amplifiers. Selection includes high power amplifiers, high-rel amplifiers, broadband amplifiers, limiting amplifiers, power amplifiers, low noise amplifiers (LNAs), log amplifiers and gain blocks. Frequencies across this amplifier line range from DC to 40 GHz, gain levels ranging from 10 dB to 60 dB, P1dB from 2 mW to 100 Watts, noise figures as low as 0.8 dB and gain variation down to ± 0.3 dB.

These amplifiers are employed across the entire spectrum of commercial and military applications including use in radar, electronic warfare, satcom, wireless communications, test lab instrumentation, commercial air traffic control, antenna ranges, telecom infrastructure, sensors and many others.

• Waveguides



Waveguides are available in standard flange sizes from WR-430 through WR-15, which encompasses frequencies from 1.7 GHz to 75 GHz. With regards to a waveguide's size, the term "WR-xxx" stands for "Waveguide Rectangular"; the number indicates the inner width dimension of the waveguide in hundredths of an inch. Our entire line of waveguides are constructed with aluminum bodies for its lightweight characteristics. We are a supplier of waveguide adapters, waveguide horns, waveguide sections, waveguide bends, flexible waveguides, waveguide filters and waveguide terminations.

• RF Adaptors



Pasternack offers hundreds of in-series and between-series adapter designs including 1.0/2.3, 1.0mm, 1.85mm, 10-32, 2.4mm, 2.92mm, 3.5mm, 3/4"-20 Twinax, 4.1/9.5 Mini DIN, 7/16 DIN, 7mm, BANANA, BNC, BNC Triax, BNC TWINAX, C, D-SUB, F, FME, GR874, HN, LC, MCX, MHV, MINI SMB, MINI SMP, MINI UHF, MMCX, N, PAL, QMA, QN, RCA, SC, SHV, SMA, SMB, SMC, SMP, SSMA, SSMB, TNC, UHF, UMCX and ZMA.

• RF Cable Assemblies



- ♦ Over 250.000 custom cable assembly configurations available.
- ♦ Choose from 1.300 RF coax connectors
- ♦ 114 coax cable types including Twinax
- ♦ Ultra Flexible Test cables
- ♦ Low Loss Expanded Dielectric Flexible Test cables

• RF Cable



Our coaxial and twinaxial cable is designed to precise RF industry specifications and is available in 84 coax and 2 twinax versions. Pasternack coaxial cable can be ordered in 50 Ohm, 52 Ohm, 53 Ohm, 75 Ohm, 93 Ohm or 95 Ohm impedances and our twinax cable in 100 Ohm or 78 Ohm impedance designs. Coaxial cables, as well as twinaxial cables, can be purchased with double, single or triple shielding.

• Armored Test Cables



Pasternack's armored test cables utilize stainless steel connector construction, with the SMA designed to operate to 20 GHz and the N connector to 18 GHz. These new RF test cables from Pasternack are available with in-series configurations only. A robust mechanical connector/armoring interface and strain relief boot increases the overall durability and life of the test cable. The company's armored test cables are built using PE-P142LL coaxial cable which is triple shielded with an expanded PTFE dielectric, guaranteeing low loss performance.