

ETL Systems

New technologies in RF distribution



19" Rack Mounted Products



Switch Matrix / Routers

•HARRIER 128x128 – Ultra compact with configurable I/O modules which include fibre inputs, LNB power, fixed gain & variable gain. High performance & suitable for HTS applications.



• HURRICANE 64x64 – configurable I/O modules which include fibre inputs, LNB power, fixed gain & variable gain. Ultra compact, with high performance.



• ENIGMA 101 32x32 - NEW 4th generation chassis with improved RF performance and new capacitive touch screen



• VICTOR 16x16 - software sized / expandable as standard (VTR-71 & VTR-80). Combining / fan-in version now available.



Amplifiers

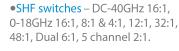
• 2-18GHz KU-band 2+1 redundant Alto amplifier module & chassis.





Switches

• GRIFFIN RF, ASI & Optical redundancy switch - flexible switching







- Complete CWDM & DWDM systems with converters, mux & de-mux, EDFA amps, delay lines and modules for diversity sites.
- Fixed gain low noise modules for HTS.







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Splitter / Combiner

• 4, 8 & 16-way active splitter (distribution amplifier) / combiner with hot swap front mounted 1:1 redundant amplifiers, 30dB gain and 0 to +6dB slope range.

 Hot swap modular system splitters: 8-way & 4-way with redundant amplifiers, variable gain / slope, RF detection & LNB power.



• PIRANHA - Fixed (18V) & variable (13/18V) voltages. 48V BUC powering. Provided with dual redundant, hotswap power supply modules.

SMART load monitoring options from 100W & 200W power supply modules.



Other products

- 10 MHz 16-way Distribution Amplifier with individual gain controllable outputs.
- 1+1 redundant 10 MHz source.
- 16 port 10 dB coupler panel.
- 64 port termination panel.





















RF Component Products

RF Components

Did you know we can also provide custom designed RF solutions? If you can't find exactly what you require please contact our RF Components team.



GPS & GNSS

- GPS Splitters
- GPS Amplifiers
- GPS lightning arrestors



GPS over Fibre

- Distributes GPS timing signals from a single antenna
- Compact & weatherproof ODU
- Extended L-band frequency range
- Low loss



- Compact interfacility fibre links
- L-band/Broadband polarisation over single mode fibre, from an antenna to reception equipment up to 10 km away.



Isolators & Circulators

- Coaxial or waveguide
- Choice of RF connectors SMA and N type
- Narrowband or broadband
- Custom frequency bands available



- Passive component ranges including
- Bias Tees, fixed and custom attenuators,
- DC-40 GHz, multiplexers & DC blocks

Outdoor IP Rated

- IP54 & IP67 rated passive splitters & combiners
- IP65 rated amplifiers



Pin Diode Absorptive Switches

- SPDT switches & SP4T switches
- 0.5 18 GHz



Block Up Converters

- L-band KU-band
- High powered, high stability
- Fixed phase locked looped (PLL) oscillators

KU & Wideband Splitters

- 2-8 GHz, 2-18 GHz, 10-15 GHz & 6-18 GHz
- 2-way, 3-way, 4-way & 8-way modules



Waveguide Components

WR-650 to WR-28

Flex/Twist

Straights, Bends, twists

Couplers

Adaptors, Transitions





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