



8-way Single L-band Active Combiner with 10MHz pass

Typical applications:

- Satellite operators, VSAT, teleports and broadcasters.
- High resilience RF distribution where optimum satellite signal quality is required.

 **10 MHz pass**
between port 1 and the common port

 **850 - 2150 MHz**
operating frequency range.

 **Local monitoring**
Via front panel status LED's



Rear View of similar Model with 50 ohm N-type connectors

 **Compact**
housed in a 1U high chassis

 **Dry contact alarm port** for power supply status

 **Resilience** from dual redundant power supplies





Technical specifications and operating parameters

| RF Parameters | | | | | | |
|----------------------|--|--------------------------|---------|------------|------------|-------|
| Capacity | 8-way | | | | | |
| Frequency Range | 850-2150 MHz (L-band) | | | | | |
| RF Connectors | 50Ω SMA | 50Ω BNC | 75Ω BNC | 75Ω F-type | 50Ω N-type | |
| Input Return Loss | Typical | 14 dB | 12 dB | 14 dB | 14 dB | 12 dB |
| | Minimum | 8 dB | 8 dB | 8 dB | 8 dB | 8 dB |
| Output Return Loss | Typical | 16 dB | 15 dB | 12 dB | 12 dB | 15 dB |
| | Minimum | 12 dB | 12 dB | 8 dB | 8 dB | 12 dB |
| Gain | 2dB ± 1dB Nominal, mean | | | | | |
| 1dB Gain Compression | 16 dBm typical, 12 dBm minimum. | | | | | |
| Noise Figure | 20 dB | | | | | |
| 10MHz Insertion Loss | 0.5 dB typical, 2 dB maximum | | | | | |
| Flatness | 850-2150MHz | ± 1.5 dB, ± 1 dB typical | | | | |
| | Any 36MHz | ± 0.5 dB | | | | |
| Isolation | 26 dB typical, 21 dB minimum, between any 2 output ports | | | | | |
| Input RF Power | +19 dBm Absolute Maximum | | | | | |

| Environmental | |
|-----------------------|--------------------|
| Operating temperature | 0 to 45°C |
| Location | Indoor use only |
| Storage temperature | -20°C to +75°C |
| Humidity | 85% non-condensing |

| Power | | |
|--------------|-------------------|----------|
| PSU Power | 85-264Vac 50-60Hz | Fused 2A |
| PSU | Dual redundant | |
| Hot-swap PSU | No | |
| MTBF | >250,000 hours | |

| System Control | |
|----------------|--|
| Alarms | Dry contact for PSU failure |
| Display | Front panel LED's for power & PSU status |

| Physical | |
|------------|---------------------------------|
| Dimensions | 1U high x 450mm deep x 19" wide |
| Weight | 4 kg |
| Colour | White 00-E-55 semi-gloss |

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

