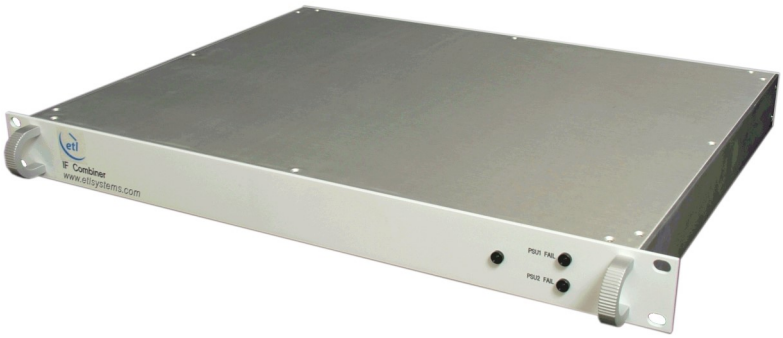
RF Engineering
and Custom Build

# Model Number: C0801S1UIA-B7B7

# *8-way Single IF Active Combiner*




Front View of Model C0801S1UIA-B7B7

This single 8-way active IF combiner operates over a frequency range of 20-200 MHz and is housed in a 1U high shelf.

This unit benefits from dual redundant power supplies for reliability in service, which can be monitored via front panel LEDS and via a dry contact alarm port on the rear panel.


Rear View of Model C0801S1UIA-B7B7

This particular unit is supplied with 75 ohm BNC connectors, but is available in a variety of impedances and connector types (model numbers will vary).

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## Technical specifications and operating parameters

| RF Parameters | | |
|---|---|---|
| Capacity | | 8- way |
| Frequency Range | | 20-200 MHz (IF) |
| Gain | | 1 dB ± 1 dB mean across band |
| Flatness | Over 20-200MHz | ± 0.5 dB |
| | 70 ± 20MHz or 140 ± 40MHz | ± 0.25 dB |
| 1dB Compression | | +10 dBm |
| Noise Figure | | 16 dB |
| Input Return Loss | | 12 dB typical |
| Output Return Loss | | 15 dB typical |

| System Control | |
|---|---|
| Display | Front Panel LED's for Power & PSU status |
| Alarms | Dry contact alarm port on rear panel for PSU failure |

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

| Physical | |
|---|---|
| Input Connectors | BNC |
| Input Impedance | 75Ω |
| Output Connectors | BNC |
| Output Impedance | 75Ω |
| Dimensions | 1U high x 350mm deep x 19" wide |
| Weight | 6 kg |
| Colour | White 00-E-55 semi-gloss (Front panel) |

| Power | |
|---|---|
| AC Power | 85-264V AC (50/60Hz), Fused 2A |
| LNB Power | None |
| PSU | Dual Redundant |
| Hot-swap PSU | No |

| Key Features |
|---|
| Housed in a compact 1U high rack |
| Dual redundant power supplies |
| Front Panel LED's for power & PSU status |
| Dry contact alarm port on rear panel for PSU failure |

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RoHS COMPLIANT

THE QUEEN'S AWARDS FOR ENTERPRISE: 2007

THE QUEEN'S AWARDS FOR ENTERPRISE: 2009

nqa ISO 9001 QUALITY MANAGEMENT

UKAS MANAGEMENT SYSTEMS 015