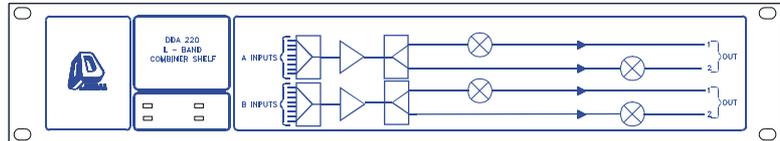


# DOUBLE D ELECTRONICS LTD

## DDA220 Dual L-Band Combiner/Amplifier

- \* 8-way combiner on each channel
- \* 950-2150MHz operation
- \* Adjustable gain RF path
- \* System Diagram on Front
- \* Redundant Power Feeds
- \* 2U 19" rack mount
- \* Summary alarm output



The DDA220 provides signal combining and amplification facilities for satellite transmit subsystems in earth stations. For each transmit path up to eight input signals may be combined. This signal is then amplified before being split into two outputs, each with a variable attenuator accessible on the front panel. The gain is adjustable over a 20dB range, typically from -6 to +14dBm or from -20 to 0dBm according to option.

The DDA220 includes fully redundant power supplies for the internal amplifiers, with any failure being signalled both on front panel indicators and via a summary alarm output.

The RF path covers the full extended L-Band of 950-2150MHz, and uses robust N-type connectors for all external connections. Terminators are supplied for the RF outputs.

### SPECIFICATION

- Physical: 19" rack, 2U high, 260mm deep (excluding connectors).  
Power: 90-250V a.c., 50VA max. Dual power feed via IEC inlets  
RF Gain: **-11** - Typically +14dBm maximum  $\pm 3$ dB, with 20dB adjustable attenuator\*  
**-12** - Typically 0dBm maximum  $\pm 3$ dB, with 20dB adjustable attenuator\*  
RF level: Max +10dBm output at minimum attenuation (1dB compression point)  
RF impedance: 50 ohms  
RF connectors: N-type sockets for inputs and outputs  
Alarm Output: Volt-free relay contact signals alarm on mains input or PSU failure

\* The DDA220-11 and DDA220-12 use an electronic attenuator to provide best flatness over frequency.

### Ordering Information

- DDA220-11 Dual L-Band Combiner/Amplifier +14dBm max gain  
DDA220-12 Dual L-Band Combiner/Amplifier 0dBm max gain