



DOUBLE D ELECTRONICS LTD

IF Amplifier Blocks



- * 50-300MHz
- * 50Ω and 75Ω options
- * 24V d.c. power
- * Fault monitoring
- * Various gain options
- * BNC Connectors

Double D Electronics Ltd can offer a range of IF amplifier blocks in both 50Ω and 75Ω configurations, with a variety of gain options. Each amplifier includes fault monitoring (based on power supply current), with two relay contact outputs.

The amplifiers can be supplied ready built into a rack-mount unit, including power supplies, optional redundancy controller and optional input or output splitter/combiner. These configurations are described in the DDA226 data sheet.

The amplifiers require a nominal 24V d.c. power supply with a wide tolerance range, and are fitted in screened aluminium cases.

Mounting uses the BNC connector fixings.

The power and fault output connector may be mounted either on the same face as the BNC connectors, or on the opposite face. This is an order option.

SPECIFICATION

Configuration:		DDS0304-XX	DDS0303-XX
Impedance		50	75
Connectors		BNC	BNC
Supply Voltage		20-28V d.c. 100mA max	
Gain options (minimum) Typical gain 2dB higher	-X1	+12.0dB	+10.0dB
	-X2	+14.0dB	+12.0dB
	-X3	+16.0dB	+14.0dB
	-X4	+18.0dB	+16.0dB
	-X5		
Output power (1dB compression)	-X4	+8dBm	+6dBm
	others	+10dBm	+8dBm

Configuration:		DDS0304-XX	DDS0303-XX
Max input power (no damage)		+10dBm	+10dBm
Input Return Loss (typical for -X1)	0-200MHz	>13dB	>20dB
	0-300MHz	>10dB	>15dB
Size (excluding connectors)	mm	92 (W) x 86 (D) x 27.5 (H)	
Fixings		By nuts on BNC connectors	
Control Connector		9-way D-plug	9-way D-plug
Fault outputs		2 x Form C relay contact rated 30V d.c. 0.1A - indicate amplifier power supply current outside limits	

Ordering Information

DDS0303-cg 75Ω amplifier block
 DDS0304-cg 50Ω amplifier block

c - power/alarm connector position:

0 - same face as BNC connectors

1 - opposite face to BNC connectors

g - amplifier gain as per specification table

Note: The DDS0303 replaces the DDS0113, and the DDS0304 replaces the DDS0115. Connector positions are different; other specifications are unchanged.

Other Configurations

We would be pleased to quote for other similar units.