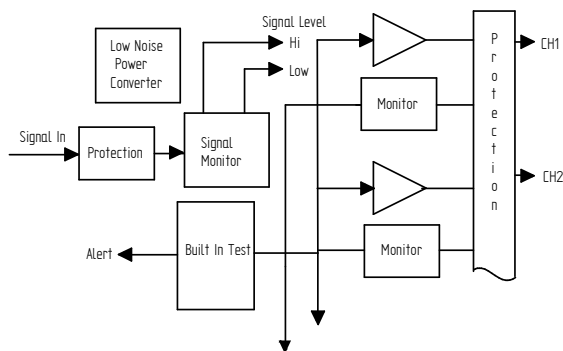


ND0103-P

3-Channel Pulse Distribution Amplifier- PPS- IRIG

KEY FEATURES



The ND0103-p is a 3 channel Distribution amplifier that is designed for the high frequency pulse signals with a rise times < 10ns, skewing < 500ps and a propagation delay of under 25ns. The compact package and flexible power configuration makes it a good choice for distributed systems and embedded applications. All channels are fault monitored and status is presented with front panel indicators and via a status relay. There is gain adjustment to compensate for system losses during installation. All outputs are transient protected and can withstand an indefinite fault. The two stage design isolates the channels and prevents a large transient from damaging the source. Reverse polarity protected. Gain adjustment allows for field installation variances.

PPS and IRIG

A Hi and LOW indicator make sure the signal is within the operating range of the amplifier. A great field trouble shooting tool.

Versatile Compact Package

1.5x4x6 inch package is ideal for embedded systems or remote locations. This design is also very popular in distributed systems minimizing cable runs.

All Inputs and Outputs Protected

All input and outputs and transient and fault protected.

Versatile Power Options

The unit can be ordered to operate from 110- 220 Vic, $\pm(9$ to 15 Vdc), $\pm(20$ to 30 Vdc) or $\pm(40$ to 60 Vdc)



Company Datasheet #	ND0103-pps
Revision #:	C
Date:	091120

Technical specifications

Frequency	PPS or IRIG B Digital
Amplitude	3.3 or 5Vdc operation into 50 Ohms-specified at order placement.
Power Required	AC power adapter- 110 to 220 Vic 50/60 Hz DC options \pm (9 to 15 Vdc) \pm (20 to 30 Vdc) \pm (40 to 60 Vdc) Less than 6 watts Power is connected to the top two pins on the connector.
Skew	<500ps
Rise/Fall Times	<10ns
Propagation Delay	<25ns
Connectors	Input and outputs are BNC Power connector mate is a TYCO 106527-4
Status signal	The bottom two pins on the power connector connect to the status relay 30 Volts, 100Ma- normally closed.
Indicators	3- Green Channel status- flash during a fault condition 1- Alert LED goes from Green to RED in Built- in test fails.
	Low and High range indicators go from green to red if the input signal exceeds 6 volts peak to peak or falls below 1 volt peak to peak.
Impedance	Output 50 Ohm
Adjustment	\pm 1.5dB

Environmental and Mechanical

Operating temperature	0 to 50C non-condensing
Storage temperature	-40 to 70C
Height	1.55 inches
Width	Body is 4 inches- with flanges 5 inches
Depth	6 inches
Weight	~1 lb

Options

Power	Contact Factory
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