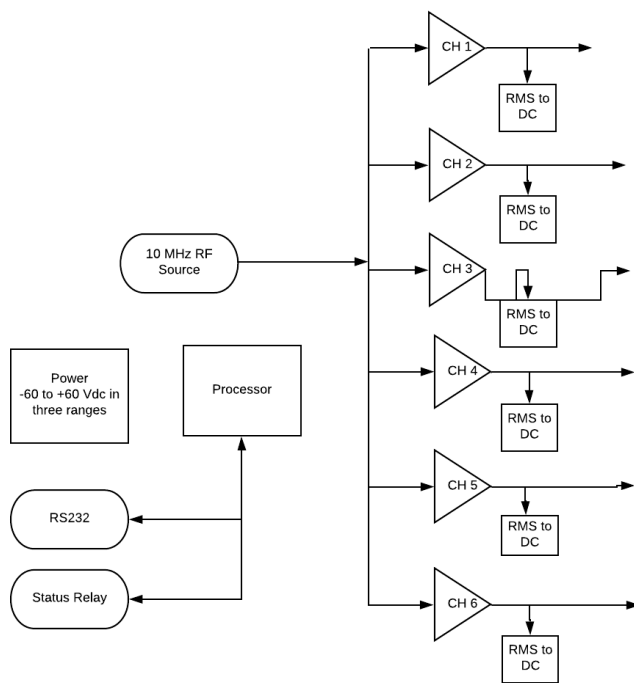


DATA SHEET FOR:	ND0106-R
REVISION	B
DATE	9-9-20

ND0106-R

Distribution Amplifier - Six Channel

KEY FEATURES



This low noise distribution amplifier has minimal phase noise contribution and flexibility. The ND0106-R can operate from - 60 Vdc to +60 Vdc in three ranges. There is also a power adapter available that will allow the unit to be operated from any global AC power source.

Versatile Compact Package

6.0" x 6.0" x 1.6" package is ideal for embedded systems or remote locations. This design is also very popular in distributed systems minimizing cable runs.

Supports 5 or 10 MHz Sources

Wide operating range options

Versatile Power Options

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



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Technical Specifications

Frequency	10 MHz (available for applications from 10kHz to 12 MHz)
Amplitude	0.2 to 1.1 Volts rms into 50 Ohm
Power required	AC power adapter- 110 to 220 Vac 50/60 Hz DC options $\pm(10$ to 15 Vdc) $\pm(20$ to 30 Vdc) $\pm(40$ to 60 Vdc) Less than 6 watts
Harmonic distortion	Less than 30 dB
Connectors	Input and outputs are BNC Power connector mates with On-Shore Technology P/N OSTTJ0411530.
Status signal	Pins 3,4 of the power connector (normally closed floating solid state relay)
Indicators	Status, self-test and 6 channel fault indicators 1 - Alert LED goes from green to red if built-in test fails.
Phase Noise	-140dBc/Hz@1 Hz -160dBc/Hz@1kHz
Input impedance	50 Ohm
Gain	0 \pm 0.2 dB

Environmental and Mechanical

Operating temperature	0 to 50°C non-condensing
Storage temperature	-40 to 70°C
Height	1.55"
Width	6.0" (body width)
Depth	6.0"
Weight	< 1.5 lbs

Options

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