

TECHNICAL SPECIFICATION

STRAIN GAUGE AMPLIFIER DATA SHEET

General

The amplifier is to be encapsulated within a 24 pin dual in line package (32 x 24 x 13.5 mm).

The unit is sensitive to electrostatic discharge and therefore static handling procedures must be followed.

Electrical

All the specifications below are worse case ratings @ 25°C ±12V supply

Items that are asterixed thus '*' are taken from manufacturers data

Supply Voltage	:*	±2 to ±20 V DC
Supply current	:*	4mA
Input offset voltage	:*	200µV
Input offset voltage/temperature drift	:*	0.5µV/°C
Input offset voltage/supply voltage	:*	3µV/V
Input offset voltage/time	:*	0.3µV/month
Input impedance	:*	>15MΩ
Input noise voltage	:*	0.9µV pk-pk
Bandwidth (unity gain)	:*	450 KHz
Output current	:	5mA
Output voltage span (RI=10K)	:	±(Vs-2)V
Closed loop gain (adjustable)	:*	3 to 60,000
Open loop gain	:*	>120 dB
Common mode rejection ratio	:*	>120 dB
Bridge supply voltage/temperature	:	20µV/°C
Maximum bridge supply current	:*	12mA
Power dissipation	:	0.5W
Warm up time	:	5 minutes
Operating temperature range	:*	-25°C to +85°C