

Model Number 054212-01084	STRAIN GAGE LOAD CELL	Revision: NR ECN #: 37515
-------------------------------------	------------------------------	------------------------------

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range(Full Scale Capacity)	17,986 lb	80.00 kN	[1]
Sensitivity(output at rated capacity)	1.50 mV/V	1.50 mV/V	[1][4]
Non-Linearity	± 5 % FS	± 5 % FS	[4]
Hysteresis	± 5 % FS	± 5 % FS	[4]
Non-Repeatability	± 2 % FS	± 2 % FS	[4]
Resonant Frequency	10 kHz	10 kHz	
Environmental			
Overload Limit	26,979 lb	120.0 kN	
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	N/A °F	N/A °C	
Temperature Effect on Output(Maximum)	± 0.02 %Reading/°F	± 0.036 %Reading/°C	[3]
Temperature Effect on Zero Balance(Maximum)	± 0.02 %FS/°F	± 0.036 %FS/°C	[4]
Electrical			
Bridge Resistance	350 ohm	350 ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Output Polarity(Compression)	Positive	Positive	
Physical			
Size (Diameter x Height)	1.111 in x 0.455 in	28.22 mm x 11.56 mm	
Fastener Size	0.472 in	12.00 mm	
Through Hole Diameter	0.479 in	12.16 mm	
Sensing Element	Strain Gage	Strain Gage	
Electrical Connector	pigtail ends	pigtail ends	
Electrical Connection Position	Side	Side	
<i>All specifications are at room temperature unless otherwise specified.</i>			
<i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>			
ICP® is a registered trademark of PCB Group, Inc.			

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Nominal.
 [2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
 [3] Over compensated operating temperature range.
 [4] FS - Full Scale.

Entered: DMW	Engineer: JSD	Sales: JC	Approved: GLB	Spec Number:
Date: 11/7/2011	Date: 11/7/2011	Date: 11/7/2011	Date: 11/7/2011	48926



PCB LOAD & TORQUE
A PCB GROUP COMPANY

PCB Load & Torque, Inc.
24350 Indoplex Circle
Farmington Hills, MI 48335
UNITED STATES
Phone: 866-684-7107
Fax: 716-684-0987
E-Mail: ltinfo@pcbloadtorque.com
Web site: <http://www.pcbloadtorque.com>