

Model Number 054105-01802		LOAD WASHER LOAD CELL - 5/16" FASTENER			Revision: C ECN #: 53531	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Measurement Range(Full Scale Capacity)		8,000 lb	35.6 kN	[1]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Sensitivity(output at rated capacity)		1.50 mV/V	1.50 mV/V	[1][2]		
Non-Linearity		± 5 % FS	± 5 % FS	[2]		
Hysteresis		± 5 % FS	± 5 % FS	[2]		
Non-Repeatability		± 2 % FS	± 2 % FS	[2]		
Resonant Frequency		10 kHz	10 kHz			
Environmental						
Overload Limit		12,000 lb	53.4 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		± 0.02 %FS/°F	± 0.036 %FS/°C	[2]		
Balance(Maximum)						
Electrical						
Bridge Resistance		350 Ohm	350 Ohm	[1]		
Excitation Voltage(Recommended)		10 VDC	10 VDC	[4]		
Output Polarity(Compression)		Positive	Positive			
Isolation Resistance		≥ 1G Ohm	≥ 1G Ohm			
Physical						
Size (Height x Diameter)		0.317 in x 0.809 in	8.05 mm x 20.5 mm	[5]		
Fastener Size		0.313 in	7.94 mm			
Through Hole Diameter		0.319 in	8.10 mm			
Sensing Element		Strain Gage	Strain Gage			
Electrical Connector		pigtail ends	pigtail ends			
Electrical Connection Position		Side	Side			
NOTES: [1]Nominal. [2]FS - Full Scale. [3]Over compensated operating temperature range. [4]Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [5]See Outline Drawing (LT30776) for Complete Dimensions						
SUPPLIED ACCESSORIES: Model 7122R-007502 8G16B 75K .025% GENER RES 3PPM Model 92160-033292 M8 / 5/16" HARDENED WASHER - TOP Model 92160-033293 M8 / 5/16" HARDENED WASHER - BOTTOM OPTIONAL ACCESSORIES: Model 080922-01000 MODEL 922 DIGITAL PEAK METER Model 080962-01000 MODEL 962 DATA RECORDER						
Entered: ND		Engineer: JM		Sales: DM		
Approved: JM		Spec Number:				
Date: 01/30/2023		Date: 01/30/2023		Date: 01/30/2023		
Date: 01/30/2023		Date: 01/30/2023		48915		
 PCB LOAD & TORQUE A PCB PIEZOTRONICS DIV. PCB Load & Torque A Division of PCB Piezotronics 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 E-Mail: LTSales@pcb.com Web site: www.pcb.com/LoadAndTorque All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.						