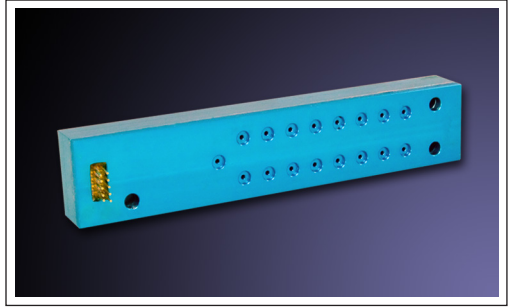




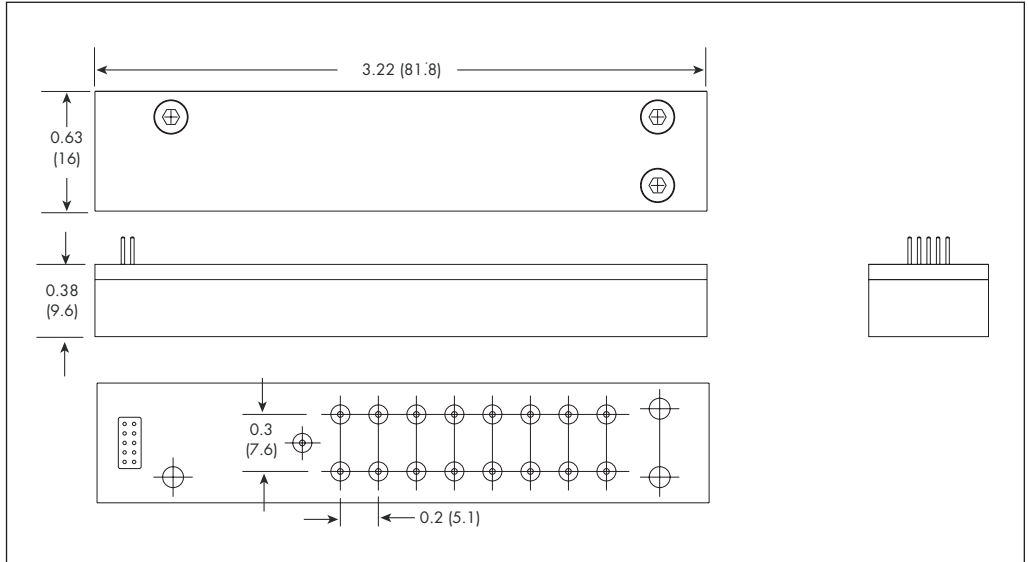
## PRESSURE SCANNER MODULE

### KPM-1-16 SERIES

- High Accuracy Digital Compensation
- No Heating or Cooling Needed
- Wide Temperature Range  
-65°F to +255°F (-55°C to +125°C)
- Mates with all KMPS Series Pressure Scanners
- Silicon on Silicon Integrated Sensor **VIS**<sup>®</sup>
- Patented Design



The KPM-1-16 is a 16 position pressure scanner module. This module mates with any Kulite KMPS Series Pressure Scanner as well as being forward compatible with future pressure scanner chassis from Kulite. The temperature correction coefficients for the 16 on-board sensors are stored in internal memory. This allows for easy mating with any Kulite pressure scanner. Modules with different pressure ranges and modes (differential or absolute) can be attached to the same KMPS Series Pressure Scanner allowing for a multi-range scanner. Modules can be individually replaced allowing for great flexibility during a test and easy replacement between tests.



		KPM-1-16							
INPUT	Pressure Ranges	0.07 1	0.14 2	0.35 5	0.7 10	1.7 25	3.5 50	7 100	17 BAR 250 PSI
	Operational Modes	Gage				Gage or Absolute			
	Proof Pressure	1.5 Times Rated Pressure to 300 PSI (21 BAR) Maximum							
	Burst Pressure	2 Times Rated Pressure to 300 PSI (21 BAR) Maximum							
	Rated Electrical Excitation	Supplied by KMPS							
	Maximum Current	Supplied by KMPS							
	Insulation Resistance	100 Megohms @ 50 VDC							
OUTPUT	Resolution (Pressure)	24 Bits							
	Total Error Band (Pressure)	± 0.2% Typ. (± 0.5% Max.)		± 0.1% Typ. (± 0.25% Max.)					
ENVIRONMENTAL	Operating Temperature Range	-65°F to 255°F (-55°C to 125°C)							
	Compensated Temperature Range	-65°F to 255°F (-55°C to 125°C)							
	Linear Vibration	20g Peak, Sine 10 to 2000 Hz							
	Reference Pressure	0-30 PSIA							
PHYSICAL	Electrical Connection	20 Pin Custom Connector							
	Weight	.05 lbs (22 Grams)							
	Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon							
	Pressure Port	17 "O" Ring Face Seals (0.017" x 0.040") Included							
	Mechanical Connection	3 Flat Socket Head Screws (2-56 x 0.5") Included							

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (I) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.