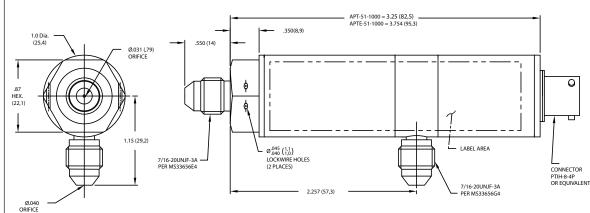


APT-51-1000 Differential (100mV Output) APTE-51-1000 Differential (5V Output)

- High Natural Frequencies
- Unprecedented Stability And Reliability To High Temperatures (Ruggedized Internal Construction)
- Leakproof, All Welded Construction (No Leak After Exposure To 2000°F 1093°C)
- Utmost In Safety (Secondary Containment Of Pressure Media)
- Fully Qualified (Passed Extensive Environmental Tests)
- FAA Authorization TSO-C47
- FAA Manufacturer's Maintenance Facility





	100 MV OUTPUT					
	PIN	FUNCTION				
	Α	+ INPUT				
	В	- INPUT				
	С	+ OUTPUT				
	D	- OUTPUT				
APTE						
	3 WIRE 5V OUTPUT					
	PIN	FUNCTION				
	Α	+ INPUT				
	В	RETURN				
	С	OUTPUT				
	APTE					
	4 WIRE 5V OUTPUT					
	PIN FUNCTION					
	A	+ INPUT				
	В	- INPUT				
	_ B	- INFOI				

D - OUTPUT

DIFFERENTIAL OUTPUT (DO NOT GROUND) + OUTPUT OR - OUTPUT

+ OUTPUT

SPECIFICATIONS		
Excitation		
Output		
Power Consumption		
Input Impedance		
Output Impedance		
Operating Temperature Range		
Weight		
Case Outline		
Construction Materials		
Pressure Range		
Proof Pressure		
Burst Pressure		
Line Pressure		
Insulation Resistance		
Mounting Torque		
Total Error Band		
Resolution		
MTBF		
Fluid Temperature		
Storage Temperature Range (Non Operating)		
Altitude-Operating		
Media Compatability		
Humidity		
Acceleration		
Linear Vibration		
Mechanical Shock		
Electromagnetic Interference		
Electrical Spike Protection	_	

	,				
UNAMPLIFIED APT-SERIES	AMPLIFIED APTE SERIES				
10VDC Regulated	28VDC ± 4V				
0 -100mV (Typ.)	0.5 - 5VDC (3 Wire) or 0 - 5VDC (4 Wire)				
100mW (Typ.)	280mW (Typ.)				
1000 Ohms (Min.)	N/A				
2000 Ohms (Max.)	100 Ohms (Max.)				
-65°F to +300°F (-55°C to +150°C)	-65°F to +250°F (-55°C to +120°C)				
0.35 Lb. (Max.)	0.4 Lb. (Max.)				
Case Length May Vary With	Range, Pressure Port and Connector				
316 SS And 17-4 PH SS					
To Specification 0-50 PSI to 0-1000 PSI (0-3.5 BAR to 0-70 BAR) (Typ.)					
2 Times Rated Pressure Range, 1000 PSI (Max.)					
5 Times Rated Pressure Range, 1000 PSI (Max.)					
2 Times Rated Press	sure Range, 1000 PSI (Max.)				
100 Megohms Min. @ 50VDC					
75 Inch-Pounds (Max.)					
$\pm$ 2% FSO From 32°F (0°C) to 185°F (85°C), Increasing to $\pm$ 3% FSO at -65°F (-55°C) and +250°F (120°C), The APT Maintains $\pm$ 3% FSO to 300°F (150°C)					
In	finitesimal				
At Leas	st 30,000 Hours				
-65°F to +300°F (-55°C to +150°C)					
-65°F to +18	5°F (-55°C to +85°C)				
Up To	o 51,000 Feet				
JP-4 and JP-5 Grade Aviation Turbine Fuel Per MIL-T-5624, Hydraulic Fluid Per MIL-H-5606, MIL-H-83282, Engine and Transmission Lubrication Oil Per MIL-L-7808 and MIL-L-23699 and Aviation Gasoline Per MIL-G-5572 All Grades					
100% R	Relative Humidity				
Operational After Being Subjected to "G" Levels of 12 "G"s Per MIL-STD-810C, Method 513.2 Procedure 1					
20g Peak,	Sine 10 to 2000 Hz				
20g half Sine V	Wave 1 msec. Duration				
APTE SERIES: Meets RTCA DO-160 Sections 18, 19 and 21 All Cat. A, Section 20 Cat. U. (With Shielded Cable)					
	Voltage Spike Conducted DO-160 Sections 16 and 17. /oltage Spike Conducted Test 17				

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2023 Kulite Semiconductor Products, Inc. All Rights Reserved.