

PERFORMANCE SPECIFICATIONS (DIGITAL, OUTPUT SIGNAL “J” OR “S”)

Ambient Temperature: 25°C (unless otherwise specified)

PARAMETERS	MIN	TYP	MAX	UNITS	NOTES
Supply Voltage	2.7	3.0	5.0	V _{DC}	
Output at Zero Pressure	720	1000	1280	Count	
Output at FS Pressure	14,720	15,000	15,280	Count	
Current Consumption			3	mA	
Proof Pressure	1.5X			Rated	
Burst Pressure	3X			Rated	
Endurance	1E+6			0~FS Cycles	
Accuracy	-0.5		0.5	%Span	RSS of BFSL: Linearity, Hysteresis, Repeatability
A/D Resolution		14		Bit	
Operating Temperature	0		55	°C	
Temperature Accuracy	-3		3	°C	1*
Thermal Zero Shift	-2.0		2.0	%F.S.	Reference to 25°C over Compensated Temperature
Thermal Span Shift	-2.0		2.0	%F.S.	Reference to 25°C over Compensated Temperature
Compensated Temperature	0		45	°C	
Response Time (10% to 90%)			3	ms @ 4MHz	Without Sleep Mode
Response Time (10% to 90%)			8.4	ms @ 4MHz	With Sleep Mode
Vibration	±20g MIL-STD-810C, Procedure 514.2, Figure 514.2-2, Curve L				
Shock	50g, 11 msec half sine shock per mil standard 202F. Method 213B, Condition A				

Notes:

1* Reflect pressure port diaphragm temperature over the compensated temperature range

2* Response time is from power on to reading measurement data.

DIMENSIONS

