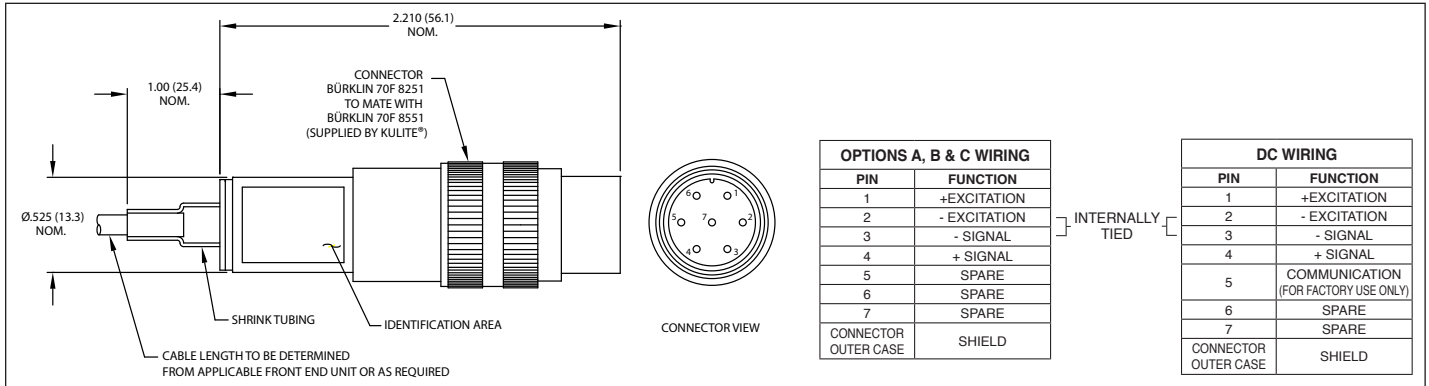


**Kulite®**  
**Auxiliary Amplifier**  
**KEA-XX-1B SERIES**

- 5 or 10 Volt Output
- Digitally Corrected Output Available (KEA-DC-1B)
- Hybrid Microelectronic Regulator-Amplifier
- Stable, Low Noise



The KEA Series Auxiliary Amplifier can be paired with any Kulite® unamplified transducer whenever a high-level (5 or 10 volt) pressure signal is required.



	Electrical Characteristics			
	A	B	C	DC
"XX"				
Bandwidth	0-150 KHz (Nom.)	0-40KHz (Nom.)	0-150 KHz (Min.)	0-10 KHz (Nom.)
Output Impedance	50 Ohms (Typ.)	200 Ohms (Typ.)	50 Ohms (Typ.)	200 Ohms (Typ.)
Signal Output Voltage	0.5 VDC to 4.5 VDC		0.5 VDC to 10.0 VDC	0.5 VDC to 4.5 VDC
Supply Voltage	8-36 VDC		15-32 VDC	8-32 VDC
Combined Non-Linearity Hysteresis & Repeatability	± 0.1% FSO BFSL (Typ.) ± 0.5% FSO (Max.) Sensor Dependent			N/A
Thermal Zero Shift	± 1% FS / 100°F (55°C) (Typ.) Sensor Dependent			N/A
Thermal Sensitivity Shift	± 1% / 100°F (55°C) (Typ.) Sensor Dependent			N/A
Maximum Current	20 mA	20 mA	30 mA	15 mA
Total Error Band (when paired with a Kulite® pressure transducer)	N/A			± 0.5% (Typ.) (End Point Settings, Non-Linearity, Hysteresis, Repeatability and all Thermal Effects Included) Sensor Dependent
Operating Temperature Range (AMP Only)	-40°F to +185°F (-40°C to +85°C)			

**Note:** Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. Continuous development and refinement of our products may result in specification (C) changes without notice. Copyright © 2019 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.