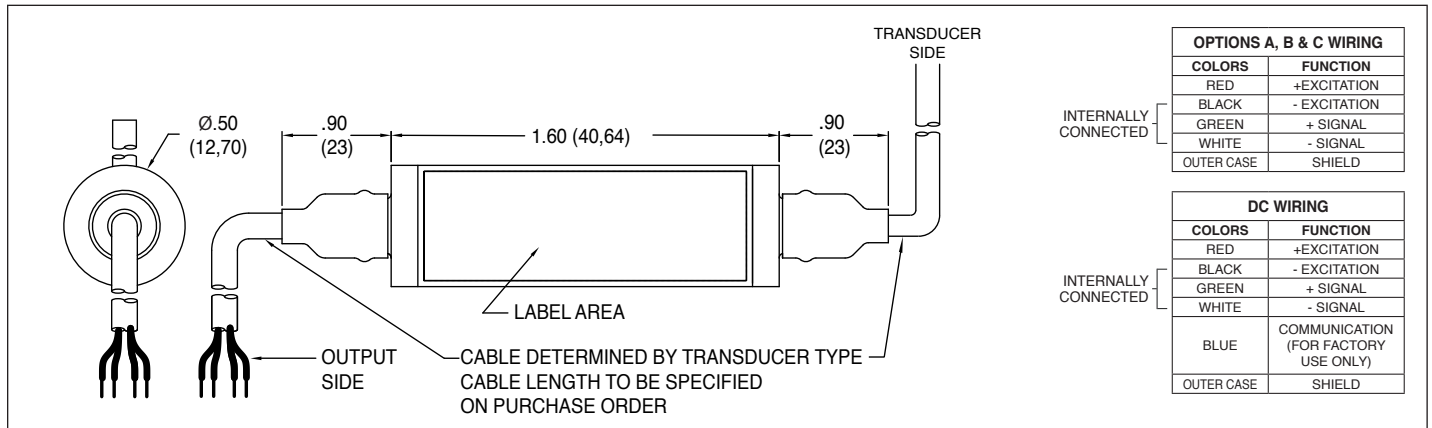
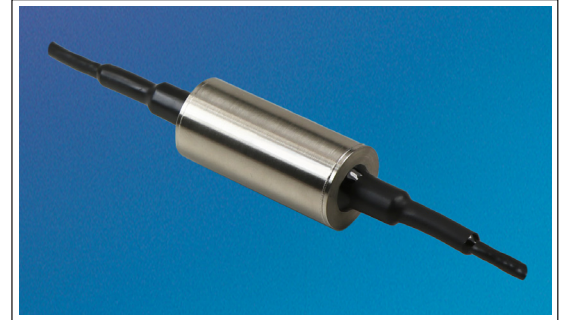


- 5 or 10 Volt Output
- Digitally Corrected Output Available (KIA-DC-1B)
- Hybrid Microelectronic Regulator-Amplifier
- Stable, Low Noise

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



PRODUCT SPECIFICATIONS		Electrical Characteristics			
	"XX"	A	B	C	DC
	Bandwidth	0-150 KHz (Nom.)	0-40KHz (Nom.)	0-150 KHz (Min.)	0-10 KHz (Nom.)
	Output Impedance	50 Ohms (Typ.)	200 Ohms (Type.)	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	Sensor Dependent. Refer to Transducer Data Sheet.			N/A
	Thermal Zero Shift	Sensor Dependent. Refer to Transducer Data Sheet.			N/A
	Thermal Sensitivity Shift	Sensor Dependent. Refer to Transducer Data Sheet.			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)
	Operating Temperature Range (AMP Only)	-40°F to +250°F (-40°C to +121°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 changes without notice. Copyright © 2026 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.