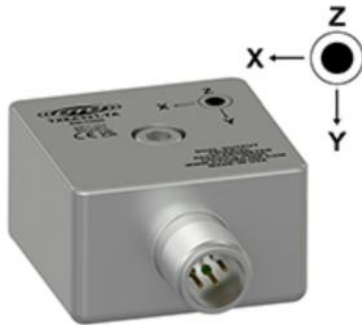


TXEA331-TA Series



Premium, Dual Output Triaxial Sensor, Temperature & Acceleration, Side Exit 6 Pin Connector, 100 mV/g, 10 mV/°C, ±5%

VIBRATION ANALYSIS HARDWARE



Product Features

3 Axes of Vibration with Additional Temperature Output in One Sensor

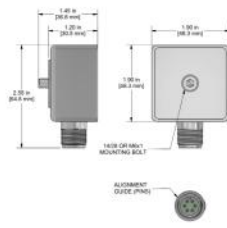
Temperature Output 10 mV/°C

- ▶ Phase conforms to cartesian coordinate system (right hand rule)
- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

TXEA331-TA

6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Ground
5	(+) Temperature
6 (N/A)	

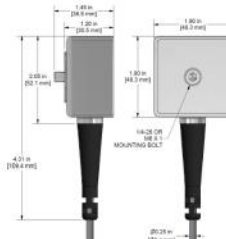


Stock Product

TXEA431-TA

CB123 Integral Cable

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used

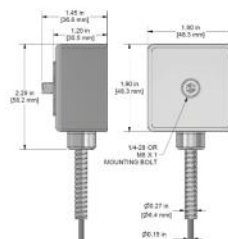


Built To Order

TXEA531-TA

CB629 Armored Integral Cable

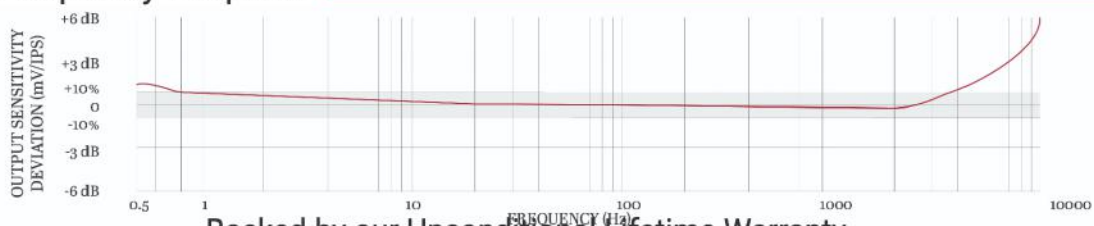
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-TA	M/TXEA331-TA	Environmental		
Sensitivity (±5%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-420,000 CPM	0.5-7,000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-210,000 CPM	2.0-3,500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	IP68	
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		Physical		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT Ceramic	
Electrical			Sensing Structure	Shear Mode	
Settling Time	<2.5 seconds		Weight	12.2 oz	347 grams
Voltage Source (IEPE)	18-30 VDC		Case Material	316L Stainless Steel	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	6 Pin	
Spectral Noise @ 10 Hz	14 µg/√Hz		Resonant Frequency	600,000 CPM	10,000 Hz
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 1000 Hz	2 µg/√Hz		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Output Impedance	<100 ohm		Calibration Certificate	CA10	
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

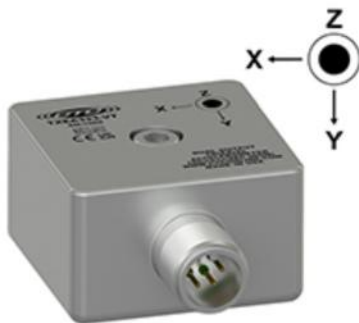
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TXEA333-VT Series



Low Cost, Dual Output, Piezo Velocity & Temperature Triaxial Sensor, Side Exit 6 Pin Connector, 100 mV/in/sec, 10 mV/°C, ±15%

VIBRATION ANALYSIS HARDWARE



Product Features

3 Axes of Vibration with Additional Temperature Output in One Sensor

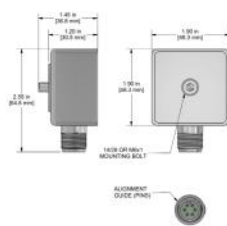
Phase conforms to cartesian coordinate system (right hand rule)

- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

TXEA333-VT

Side Exit 6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used

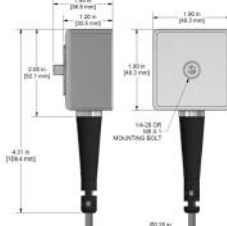


Stock Product

TXEA433-VT

CB123 Integral Cable

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used

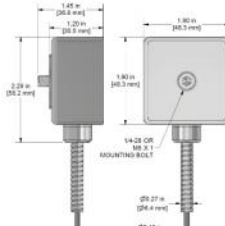


Built To Order

TXEA533-VT

CB629 Armored Integral Cable

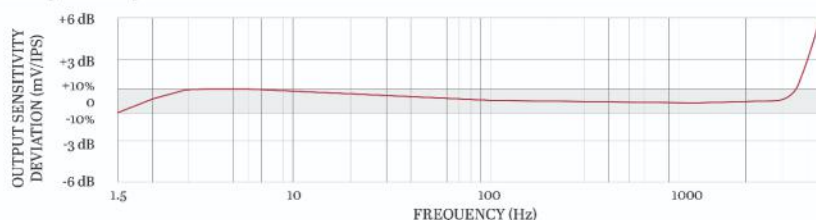
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA333-VT	M/TXEA333-VT	Environmental		
Sensitivity (±15%)	100 mV/in/sec		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60 to 270,000 CPM	1Hz to 4.5kHz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120 to 240,000 CPM	2Hz to 4kHz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 in/sec. pk		SIL Rating	SIL 2	
Electrical			Physical		
Settling Time	<4 seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	12.3 oz	349 grams
Spectral Noise @ 10 Hz	25 µIPS/√Hz		Case Material	316L Stainless	
Spectral Noise @ 100 Hz	2 µIPS/√Hz			Steel	
Spectral Noise @ 1000 Hz	0.5 µIPS/√Hz		Connector (Non-Integral)	6 Pin	
Output Impedance	<100 ohm		Resonant Frequency	600,000 CPM	10,000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation	>10 ⁸ ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

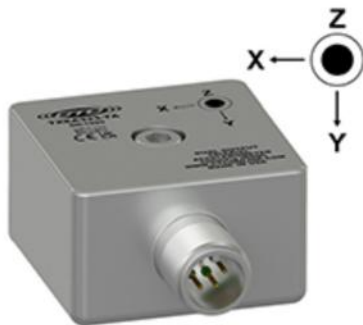
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TXEA333-TA Series



Low Cost, Dual Output Triaxial Sensor, Temperature & Acceleration, Side Exit 6 Pin Connector, 100 mV/g, 10 mV/°C, ±15%

VIBRATION ANALYSIS HARDWARE



Product Features

3 Axes of Vibration with Additional Temperature Output in One Sensor

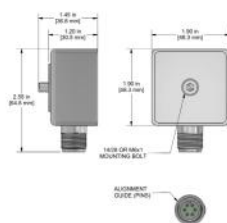
Temperature Output 10 mV/°C

- ▶ Phase conforms to cartesian coordinate system (right hand rule)
- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

TXEA333-TA

Side Exit 6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used

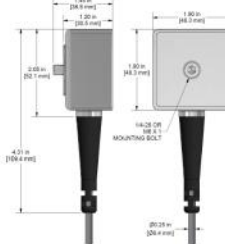


Stock Product

TXEA433-TA

CB123 Integral Cable

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used

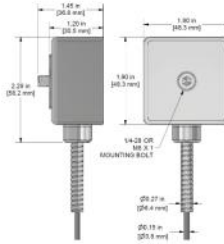


Built To Order

TXEA533-TA

CB629 Armored Integral Cable

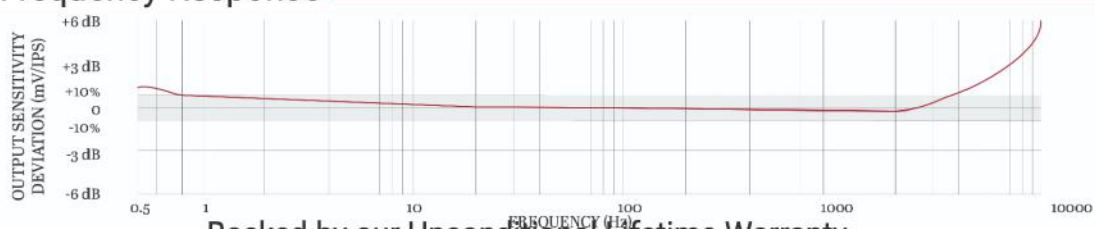
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA333-TA	M/TXEA333-TA	Environmental		
Sensitivity (±15%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30 to 420,000 CPM	0,5 to 7,000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120 to 210,000 CPM	2,0 to 3,500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	IP68	
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Submersible Depth	200 ft.	60 m
Temperature Output	10 mV/°C		Physical		
Temperature Sensor	750 mV = 25 °C (±1)		Sensing Element	PZT Ceramic	
Electrical			Sensing Structure	Shear Mode	
Settling Time	<2.5 seconds		Weight	12.2 oz	347 grams
Voltage Source (IEPE)	18-30 VDC		Case Material	316L Stainless Steel	
Constant Current Excitation	2-10 mA		Connector (Non-Integral)	6 Pin	
Spectral Noise @ 10 Hz	14 µg/√Hz		Resonant Frequency	600,000 CPM	10,000 Hz
Spectral Noise @ 100 Hz	2.3 µg/√Hz		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 1000 Hz	2 µg/√Hz		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Output Impedance	<100 ohm		Calibration Certificate	CA10	
Bias Output Voltage	10-14 VDC				
Case Isolation	>10 ⁸ ohm				

Typical Frequency Response



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TXEA331-VT Series



Premium Dual Output, Piezo Velocity & Temperature Triaxial Sensor, Side Exit 6 Pin Connector, 100 mV/in/sec, 10 mV/°C, ±5%

VIBRATION ANALYSIS HARDWARE



Product Features

3 Axes of Vibration with Additional Temperature Output in One Sensor

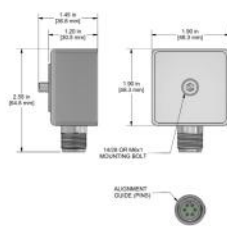
Phase conforms to cartesian coordinate system (right hand rule)

- ▶ Must use with A5A Connector, and CB123, CB126 or CB629 Cabling

TXEA331-VT

Side Exit 6 Pin Connector

Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used

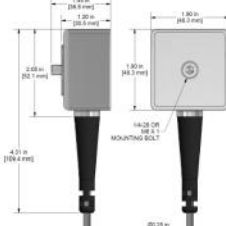


Stock Product

TXEA431-VT

CB123 Integral Cable

Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used

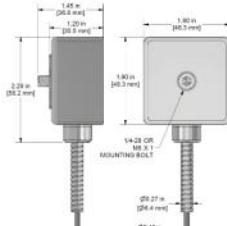


Built To Order

TXEA531-VT

CB629 Armored Integral Cable

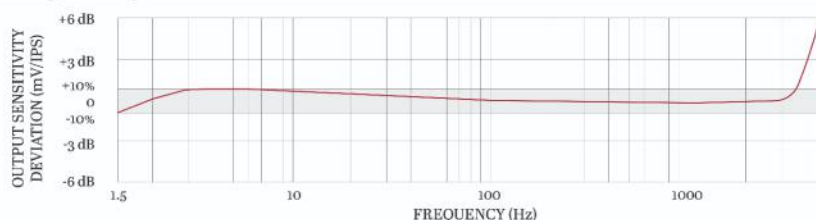
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXEA331-VT	M/TXEA331-VT	Environmental		
Sensitivity (±5%)	100 mV/in/sec		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	90 to 240,000 CPM	1,5 to 4,000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120 to 210,000 CPM	2,0 to 3,500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 in/sec. pk		SIL Rating	SIL 2	
Electrical			Physical		
Settling Time	<4 seconds		Sensing Element	PZT Ceramic	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	12.3 oz	349 grams
Spectral Noise @ 10 Hz	25 µIPS/√Hz		Case Material	316L Stainless	
Spectral Noise @ 100 Hz	2 µIPS/√Hz			Steel	
Spectral Noise @ 1000 Hz	0.5 µIPS/√Hz		Connector (Non-Integral)	6 Pin	
Output Impedance	<100 ohm		Resonant Frequency	600,000 CPM	10,000 Hz
Bias Output Voltage	10-14 VDC		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Case Isolation	>10 ⁸ ohm		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

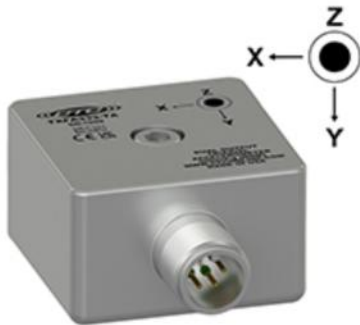
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TXFA333-TA Series

Low Cost, Dual Output Triaxial Sensor, Temperature & Acceleration, Side Exit 6 Pin Connector, 500 mV/g, 10 mV/°C, ±15%



VIBRATION ANALYSIS HARDWARE



Product Features

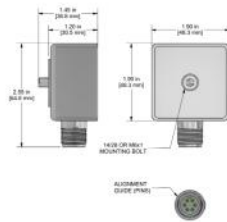
3 Axes of Vibration with Additional Temperature Output in One Sensor

Phase conforms to cartesian coordinate system (right hand rule)

- ▶ Designed for low speed Rotors, Main Bearings, and Gear Box Inputs.
- ▶ Temperature Output 10 mV/°C
- ▶ Compatible with A5A Connector and CB123, CB129 and CB629 cabling

TXFA333-TA

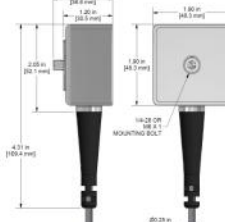
Connector Pin	Polarity
1 (Axis Y)	(+) Signal/Power
2 (Axis X)	(+) Signal/Power
3 (Axis Z)	(+) Signal/Power
4	(-) Common/Grid
5	(+) Temperature
6	Not Used



Stock Product

TXFA433-TA

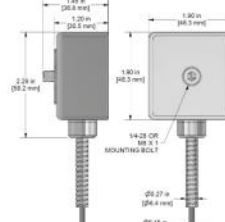
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

TXFA533-TA

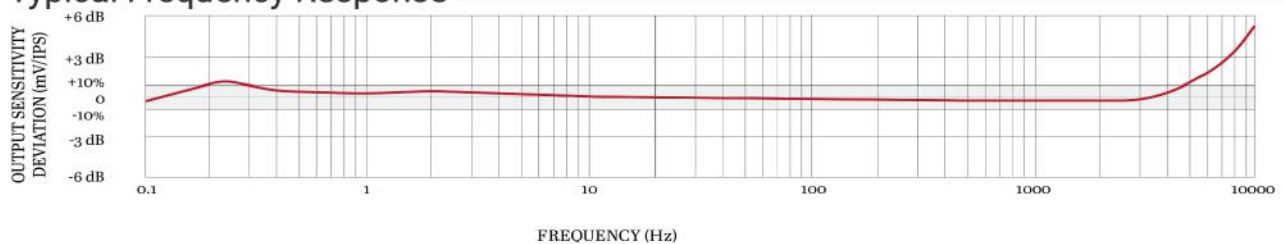
Connector Pin	Polarity
1 Red (Axis Y)	(+) Signal/Power
2 Green (Axis X)	(+) Signal/Power
3 White (Axis Z)	(+) Signal/Power
4 Black	(-) Common/Grid
5 Blue	(+) Temperature
6	Not Used



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TXFA333-TA	M/TXFA333-TA	Environmental		
Sensitivity (±15%)		500 mV/g	Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	6-420,000 CPM	0,1-7,000 Hz	Electromagnetic Sensitivity		CE
Frequency Response (±10%)	18-180,000 CPM	0,3-3000 Hz	Sealing		Welded, Hermetic
Frequency Response (±5%)	18-180,000 CPM	0,3-3000 Hz	Submersible Depth	200 ft.	60 m
Dynamic Range		± 10 g, peak	SIL Rating		SIL 2
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Physical		
Temperature Output		10 mV/°C	Sensing Element		PZT Ceramic
Temperature Sensor		750 mV = 25 °C (±1)	Sensing Structure		Shear Mode
Electrical			Weight	13.4 oz	380 grams
Settling Time		<2 Seconds	Case Material		316L Stainless Steel
Voltage Source (IEPE)		18-30 VDC	Connector (Non-Integral)		6 Pin
Spectral Noise @ 10 Hz		1.7 µg/√Hz	Resonant Frequency	600,000 CPM	10 kHz
Spectral Noise @ 100 Hz		0.2 µg/√Hz	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 1000 Hz		0.12 µg/√Hz	Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Output Impedance		<100 ohm	Calibration Certificate		CA10
Bias Output Voltage		10-14 VDC			
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response



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