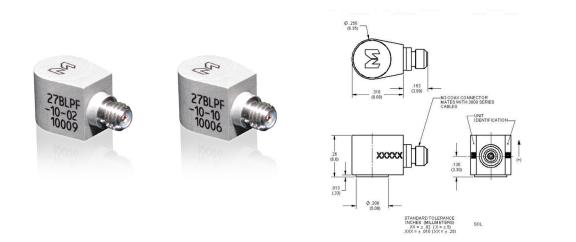


## Isotron<sup>®</sup> accelerometer Model 27BLPF

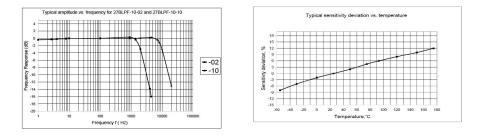


The Endevco® Model 27BLPF is a miniature IEPE high temperature (up to +175°C) single axis accelerometer with 2-pole low pass filter. The sensor is designed for use in test and measurement applications requiring effective attenuation of high-frequency, high-g signals that can obscure the required low-frequency information and cause saturation of the electronics. Additionally, the low-pass filter provides resonance suppression. The high operating temperature of the accelerometer is a supplementary feature needed for many test and measurement applications. The model 27BLPF is packaged in a hermetically sealed body of titanium alloy with a side M3 connector. A compatible cable is provided with the unit. Power to the sensor, in the form of a constant current, travels through the same pins as the low impedance output signals.

The model 27BLPF features a sensitivity of 10 mV/g. The model number's second suffix indicates the low-pass filter corner frequency at level -3dB. Two options are currently available, the model 27BLPF-10-02 featuring a corner frequency of 2 kHz and the 27BLPF-10-10 featuring a corner frequency of 10 kHz. Other corner frequencies are available upon request

This product is fully compliant to the European Union's Low Voltage Directive, 2006/95/EC and EMC Directive 2004/108/EC and is eligible to bear the CE Mark.

Endevco brand signal conditioner models 2775B, 2793, 4416B, 4999, 6634C or OASIS 2000 (4990A-X with cards 428 and/or 433) computer-controlled systems are recommended for use with these accelerometers.



## Key features

- Low impedance output with 2-pole low pass filter
- Rated for continuous use up to +175°C (347°F)
- Lightweight (less than 1.0 gram)
- Adhesive mounted
- 27BLPF-10-02-R and 27BLPF-10-10-R available as replacement sensors

### **ENDEVCO** www.endevco.com Tel: +1 (866) ENDEVCO [+1 (866) 363-3826]

Piezoelectric accelerometers | Piezoresistive accelerometers | IEPE accelerometers | Variable capacitance accelerometers | Piezoresistive pressure sensors | Piezoelectric pressure sensors | High intensity microphones | Inertial sensors | Signal conditioners and supportive instrumentation | Cable assemblies



# Isotron<sup>®</sup> accelerometer Model 27BLPF

## **Specifications**

The following performance specifications conform to ISA-RP-37.2 (1964) and are typical values, referenced at +75°F (+24°C) and 100 Hz, unless otherwise noted. Calibration data, traceable to National Insitute of Standards and Technology (NIST) is supplied.

		,		
Valiage sensitivity         mV/g         10           Topical         mV/g         10           Totarance         %         10           And Storman         10         10           At 10 B         H2         20         10           At 10 B         H2         2.0         10         10           Low pass filter correc frequency. 13.6B)         H2         2.0.2         10-12         10           Low pass filter correc frequency. 13.6B)         H2         2.0.2         10-12         10         10           Low pass filter correct frequency. 13.6B)         H2         2.0.2         10-12         10 <td></td> <td>Units</td> <td></td> <td>-10-10</td>		Units		-10-10
Typical         mV/g         10           Toterance         %         10           Amplitule response         10         210 5000           Resonance fraguency, minimum         Hz         210 1000         210 5000           Resonance fraguency, minimum         Hz         2 40 2         10-12.5           Resonance fraguency, 13-BB         Hz         2 40 2         10-12.5           Tenersture response         Figure absolute value 40% at -30% [FI 15% CI Fef 77% [25% CI 16% 71% [25% CI 16		g	±500	
Televane         %         10           Amplitude response =1.68         Hz         2 to 1000         2 to 5000           =1.64         Hz         1 to 1400         45 000         1 to 7000           Low-pass filter correr frequency (-3 dB)         Hz         2 ± 0.2         10 ± 1           Low-pass filter correr frequency (-3 dB)         Hz         2 ± 0.2         10 ± 1           Low-pass filter correr frequency (-3 dB)         Hz         2 ± 0.2         10 ± 1           Low-pass filter correr frequency (-3 dB)         Hz         2 ± 0.2         10 ± 1           Sensitivity deviation         Set typical correct         Set typical correct         2           Sensitivity deviation         Set typical correct         -2         -2           Output characteristics         Acceleration direct free typical correct (2 more torner ange -1 to 10 mA         -2         -2           Output connection         Use the value set output         -2         -2         -2           Output connection         Set connection diagram         -2         -2         -2           Output connection         Set traits         -2         -2         -2         -2           Set traits         gpk         500         500         -500         -500 <t< td=""><td></td><td>m)//a</td><td>10</td><td></td></t<>		m)//a	10	
Amplitude response = 3%Hz2 to 10002 to 500016 BHz1 to 14001 to 7000Low-pass filter comer frequency (-3.68)Hz2.0.210 + 12.5Low-pass filter comer frequency (-3.68)Hz2.0.210 + 12.5Sensitivity deviationNegative absolute value (-30 as + 3477F (-158°C) [ref 77°C (25°C)]Positive absolute value (-30 as + 3477F (-158°C) [ref 77°C (25°C)]Sensitivity deviationNegative absolute value (-30 as + 3477F (-158°C) [ref 77°C (25°C)]Positive absolute value (-30 as + 3477F (-158°C) [ref 77°C (25°C)]Transverse sensitivity%< <				
±5%         Hz         2 to 1000         2 to 5000           a1 dB         Hz         1 to 100         1 to 7000           Resonance frequency, minimum         Hz         2 + 0.2         10 + 1 to 7000           Low-pass filter roll-off         dB/Octave         10 + 1 to 7000         10 + 1 to 7000           Low-pass filter roll-off         dB/Octave         10 + 1 to 7000         10 + 1 to 7000           Sensitivity deviation         Sensitivity deviation         Sensitivity deviation         Sensitivity deviation         Sensitivity deviation           Sensitivity deviation         Value         Acceleration directed into base produces positive output         + 2 < - 1 + 3 to room temperature range		70	10	
±1 dB     H2     1 to 1/00     1 to 7000       Exercises filter correr (requency 1-3 dB)     H2     2 ±0.2     10 ±1       Low-pass filter correr (requency 1-3 dB)     H2     2 ±0.2     10 ±1       Devia pass filter correr (requency 1-3 dB)     H2     2 ±0.2     10 ±1       Sensitivity deviation     Negative Associative value 30% at ±4.77 F [±53°C] (nf 77°F [25°C])     Transverse sensitivity deviation       Transverse sensitivity deviation     %     <2		H7	2 to 1000	2 to 5000
Resonance frequency, minimumHz45 00Low-pass filter roll-offdb/Octave10:12Low-pass filter roll-offdb/Octave10:12Sensitivity devalueNegative abacture value.20% at .47% [1:570] (ref 77% [2:570])Sensitivity devalueNegative abacture value.20% at .47% [1:570] (ref 77% [2:570])Postive abacture value.20% at .47% [1:570] (ref 77% [2:570])Tansverse sensitivity%Calput characteristicsPostive abacture value.20% at .47% [1:570] (ref 77% [2:570])Deuty characteristicsAcceleration directed into base outputLouput characteristics				
Low-pass filter corner frequency (-3.dB) kHz 2 2.0.2 10.1 Low-pass filter corner frequency (-3.dB) kHz 32 2.0.2 10.12.5 See bytical curve See See bytical curve See See bytical curve See See See See See See See See See S				
Temperature response         See toricle with weaking         See toricle weaki	Low-pass filter corner frequency (-3 dB)		2 ±0.2	10 ±1
Sensitivity deviation Negative absolute value 20% at -327° [-55°C] [ref 77°C [25°C]] Transverse sensitivity % Sensitivity deviation 427° [-55°C] [ref 77°C [25°C]] Transverse sensitivity % Couplet plantsentity % Couplet plantsenter plantsentity % Couplet plantsentity % Couple	Low-pass filer roll-off	dB/Octave	10-12.5	
Sensitivity deviation         Positive absolute value 0.3% at +24.7% [+175°C [ref 77°C [25°C]]           Transverse sensitivity         %         <2			See typical curve	
Transverse sensitivity         %         < 5           Output characteristics				
Amplitude linearity         %         <2           Output bias voltage [1]         Vic         Acceleration directed into base produces positive output +12 to +13 to met remperature To duput impedance           Output bias voltage [1]         Vic         +12 to +13 to met remperature +12 to +13 to met remperature range See connection diagram           Output impedance		0/		C[25°C]]
Output characteristics Output polarity         Acceleration directed into base produces positive output +12:to +13 at nom temperature +6:to +16:output presenture range See connection           Output connection Output connec				
Dutput plantiy         Acceleration directed into base produces positive output           DC output isonated into base produces positive output         +12 to +13 at room temperature range           Dutput connection         -           2 m At 3 mA         0           4 m At 0 10 mA         0           Full scale output         Vpk           Saturation level at 50 pk output         gpk           5 sturation level at 50 pk output         gpk           10 Hz         gpk           2 Hz 1         gpk           3 to 10 mA         0           10 Hz         gpk           3 to 2 Hz 2         gpk           3 to		70	~2	
DC output bias voltage [1]       Vác       +12 to -13 at room temperature range See connection diagram         Output impedance       See connection diagram         Z mA to 3 mA       0       <100				
				out
Output connection         See connection diagram           2 mA to 3 mA         0         < 300	DC output bias voltage [1]	Vdc		
Output impedance	Output association			
2 mA io 3 mA         0         <300			See connection diagram	
4 mA to 10 mA       0       <100		0	< 300	
Full scale output         Vpk         ±5           100 Hz         gpk         500         500           1 kHz         gpk         500         500           2 kHz         gpk         2000         500           2 kHz         gpk         21000         500           10 kHz         gpk         21000         2000           0 kHz         gpk         21000         21000           Noise floor         gpk         21000         20100           Vertadrecovery [2x full scale]         mg // Hz         gl, 2         2           10 Hz         g/ Hz         gl, 4         2         1           Grounding         Signal ground connected to the case         10         1           Power requirement         mA         +2 to +8         2         1           Grounding         mg // Hz         5000<				
Saturation level at SVpk output         gpk         500         500           10 Hz         gpk         500         500           2 Hz         gpk         200         500           5 Hz         gpk         21000         500           6 Hz         gpk         21000         \$700           10 Hz         gpk         21000         \$700           0 Hz         gpk         21000         \$2700           0 Hz         gpk         21000         \$2700           Noise floor         gpk         21000         \$21000           Noise floor         gp/ Hz         \$2         \$200           1 Hz         mg / V Hz         \$0.3         \$2           10 Hz         mg / V Hz         \$0.3         \$2           10 Hz         mg / V Hz         \$2.0         \$2           0 Vertoal recover /2x full scale)         mg µs         \$3         \$3           0 Hz         \$2         \$2         \$2         \$2           0 Hz         \$2         \$2         \$2         \$2           10 Hz         mg / V Hz         \$2         \$2         \$2           0 Vertoal recover /2x full scale         mg / V Hz         \$2				
10 Hz         gpk         500         500           2 HHz         gpk         500         500           2 HHz         gpk         2700         500           2 HHz         gpk         21000         500           10 Hz         gpk         21000         500           10 Hz         gpk         21000         2700           Ab Kiz (resonance frequency)         gpk         21000         21000           Noise floor         gr         22         200         21000           Noise floor         gr         22         200         2000           Noise floor         gr         210 Hz         62         20           10 Hz         mg / V Hz         s0.2         0.2         0.2           Corrent gr         gr         y/ Hz         s0.2         0.2           Corrent requirement         mA         +2 to +8         Voitage supply         Vic         +2 to +8           Voitage suply				
2 kHz       gpk       ≥700       500         5 kHz       gpk       ≥1000       500         10 kHz       gpk       ≥1000       ≥700         40 kHz [resonance frequency]       gpk       ≥1000       ≥1000         Noise floor       gr       ≥1000       ≥1000         Noise floor       gr       ≤2       200         1 Hz       ng / V Hz       ≤2       2         10 Hz       ng / V Hz       ≤0.7       100 Hz       ≤0.2         10 Hz       ng / V Hz       ≤0.2       0.2       0.2         10 Hz       ng / V Hz       ≤0.2       0.2       0.2         00 Hz       ng / V Hz       ≤0.2       0.2       0.2         Corendad recover [2x full scale]       mg / V Hz       ≤0.2       0.2         Grounding       Signal ground connected to the case       0.2       0.2         Votage supply       Vdc       +24 to +30       2       0.2         Supply noise       mV/pk       <1		gpk	500	500
5 kHz     gpk     ≥1000     2700       40 kHz (resonance frequency)     gpk     ≥1000     ≥1000       Noise floor     gpk     ≤2     100       1 Hz     mg /V Hz     ≤2     0.3       100 Hz     mg /V Hz     ≤0.3     1       100 Hz     mg /V Hz     ≤0.2     0       Overload recovery [2x full scale]     mg µs     <10		gpk		
10 kHzgrk grk ≥1000≥1000Noise floorgrk ≥1000≥1000Broadband (D.1 Hz to 10 kHz)mg rms≤8Spectral:gr / Hz≤210 Hzmg / Y Hz≤0.310 Hzmg / Y Hz≤0.310 Hzmg / Y Hz≤0.310 Hzmg / Y Hz≤0.310 Hzmg / Y Hz≤0.2Overload recovery [2x full scale)mg µs<10				
40 kHz [resonance frequency]         gpk         ≥1000           Noise floor         mg rms         ≤8           Broadband (0.1 Hz to 10 kHz)         mg rms         ≤8           Spectral:         mg // Hz         ≤2           10 Hz         mg // Hz         ≤0.7           100 Hz         mg // Hz         ≤0.3           1 kHz         mg // Hz         ≤0.3           1 kHz         mg // Hz         ≤0.3           1 kHz         mg // Hz         ≤0.3           0 verload recovery [2x full scale]         mg µs         <10				
Noise floor     ang rus     \$8       Bradabad (0.1 Hz to 10 kHz)     mg rws     \$2       1 Hz     mg /v Hz     \$2       10 Hz     mg /v Hz     \$0.7       10 Hz     mg /v Hz     \$0.3       1 kHz     mg /v Hz     \$0.2       Overload recovery (2x full scale)     mg µs     <10				
Braadband (0.1 Hz to 10 kHz)mg rms $\leq 8$ Spectral:mg // Hz $\leq 2$ 10 Hzmg // Hz $\leq 0.7$ 100 Hzmg // Hz $\leq 0.3$ 1 kHzmg // Hz $\leq 0.2$ Overload recovery (2x full scale)mg $\mu$ s $<10$ GroundingSignal ground connected to the casePower requirementmA $+2$ to $+8$ Vottage supplyVdc $+24$ to $+30$ Supply noisemV/pk $<1$ Environmental characteristics $< 10$ Fermionental (without damage)g pk $< 1000$ Sinusoidal vibration limit (without damage)g pk $< 1000$ Base strain sensitivity at 250µ straineq. gµ/strain0.13Interscience $0.028$ [0.8] $0.028$ [0.8]Presenter conscience		дрк	≥1000	≥1000
Spectral:mg // Hz≤21 Hzmg // Hz≤0.710 Hzmg // Hz≤0.31 Htzmg // Hz≤0.2Overload recovery (2x full scale)mg µs<10		marms	<8	
1 hz     mg / V Hz     s2       10 Hz     mg / V Hz     s0.7       100 Hz     mg / V Hz     s0.2       0 Verbad recovery [2x full scale]     mg μs     <10		ing inis	30	
100 Hz     mg / V Hz     ≤0.3       1 kHz     mg / V Hz     ≤0.2       Overload recovery [2x full scale]     mg µs     <10		mg / √ Hz	≤2	
1 kHz       mg / V Hz       ≤0.2         Overload recovery (2x full scale)       mg µs       <10				
Overload recovery [2x full scale]       mg µs       <10				
Grounding     Signal ground connected to the case       Power requirement     mA     +2 to +8       Current requirement     MA     +2 to +8       Voltage supply     Vdc     +2 to +30       Supply noise     mV/pk     <1				
Power requirement       mA       +2 to +8         Current requirement       MA       +24 to +30         Voltage supply       Vdc       +24 to +30         Supply noise       mV/pk       <1		mg µs		
Current requirementmA+2 to +8Voltage supplyVdc+24 to +30Supply noisemV/pk<1			Signal ground connected to the case	
Voltage supply     Vdc     +24 to +30       Supply noise     mV/pk     <1	Power requirement			
Supply noise     mV/pk     <1				
Warm-up time (time to reach 90% of final bias)       sec'       <10				
Tenyerature range         -67°F to +347°F [-55°C to +175°C]         Humidity       Hermetically sealed         Sinusoidal vibration limit (without damage)       g pk       ±1000         Shock limit (without damage] [2]       g pk       ±000         Base strain sensitivity at 250µ strain       eq. g/µstrain       0.13         Thermal transient sensitivity       eq. g pk/Gauss       0.0001         Physical characteristics         Dimensions       See outline drawing         Weight       oz (gram)       0.028 [0.8]         Case material       Titanium alloy 6AL-4V         Connector [3]       M3 receptacle         Mounting [4] [5]       Adhesive         Calibration       Supplied         Sensitivity       mV/g         Transverse sensitivity       %         Frequency response       H2       20 to 2200       20 to 11 000				
Temperature range       -67°F to +347°F [-55°C to +175°C]         Humidity       Hermetically sealed         Sinusoidal vibration limit (without damage)       g pk         Shock limit (without damage) [2]       g pk         g pk       ±1000         Base strain sensitivity at 250µ strain       eq. g/µstrain         eq. g pk/°F       0.16         Electromagnetic noise (at 100 Gauss)       eq. g pk/Gauss         Physical characteristics       0.0201         Dimensions       See outline drawing         Weight       oz (gram)       0.028 [0.8]         Case material       Titanium alloy 6AI-4V         Mounting [4] [5]       M3 receptacle         Mounting [4] [5]       Adhesive         Calibration       Supplied         Sensitivity       %         Frequency response       40 to 2200         Vot to 2000       20 to 11 000		sec		
Humidity     Hermetically sealed       Sinusoidal vibration limit (without damage)     g pk     ±1000       Shock limit (without damage)     g pk     ±000       Base strain sensitivity at 250µ strain     eq. g/µstrain     0.13       Thermal transient sensitivity     eq. g pk/°F     0.16       Electromagnetic noise (at 100 Gauss)     eq. g pk/°F     0.0001       Physical characteristics     0.0001       Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Tittanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Supplied     Fraquency response     20 to 2200       20 to 11 000     20 to 11 000	Environmental characteristics			
Sinusoidal vibration limit (without damage)     g pk     ±1000       Shock limit (without damage) [2]     g pk     5000       Base strain sensitivity at 250µ strain     eq. g/µstrain     0.13       Thermal transient sensitivity     eq. g pk/°F     0.16       Electromagnetic noise [at 100 Gauss]     eq. g pk/Gauss     0.0001       Physical characteristics       Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration       Supplied     Sensitivity       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Shock limit (without damage) [2]     g pk     5000       Base strain sensitivity at 250µ strain     eq. g pk/°F     0.13       Thermal transient sensitivity     eq. g pk/°F     0.16       Electromagnetic noise (at 100 Gauss)     eq. g pk/Gauss     0.0001       Physical characteristics       Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration       Supplied     Sensitivity       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Base strain sensitivity at 250µ strain     eq. g/µstrain     0.13       Thermal transient sensitivity     eq. g pk/°F     0.16       Electromagnetic noise (at 100 Gauss)     eq. g pk/°E     0.0001       Physical characteristics     0.0001       Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AL-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Thermal transient sensitivity     eq. g pk/°F     0.16       Electromagnetic noise [at 100 Gauss]     eq. g pk/Gauss     0.0001       Physical characteristics     0.0001       Dimensions     See outline drawing       Output     0.028 [0.8]       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Electromagnetic noise (at 100 Gauss)     eq. g pk/Gauss     0.0001       Physical characteristics     Dimensions     See outline drawing       Dimensions     0.028 [0.8]     0.028 [0.8]       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration       Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     H2     20 to 2200     20 to 11 000				
Physical characteristics     See outline drawing       Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Dimensions     See outline drawing       Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration       Supplied     Sensitivity       Frequency response     Hz     20 to 2200     20 to 11 000	•••••••••••••••••••••••••••••••••••••••	cq. g più oddoo		••••••
Weight     oz (gram)     0.028 (0.8)       Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Case material     Titanium alloy 6AI-4V       Connector [3]     M3 receptacle       Mounting [4] [5]     Adhesive       Calibration     Supplied       Supplied     Frauserse sensitivity       Frequency response     Hz     20 to 2200     20 to 11 000		07 (gram)	See outline drawing	
Connector [3] Mounting [4] [5]     M3 receptacle Adhesive       Calibration Supplied Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000		02 (YEATTI)		
Mounting [4] [5]     Adhesive       Calibration     Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Calibration       Supplied       Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Supplied         mV/g           Sensitivity         mV/g           Transverse sensitivity         %           Frequency response         Hz         20 to 2200         20 to 11 000			, denotive	••••••
Sensitivity     mV/g       Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000				
Transverse sensitivity     %       Frequency response     Hz     20 to 2200     20 to 11 000		m\//a		
Frequency response         Hz         20 to 2200         20 to 11 000				
			20 to 2200	20 to 11 000

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# Isotron<sup>®</sup> accelerometer Model 27BLPF

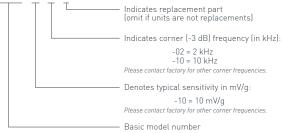
#### Accessories

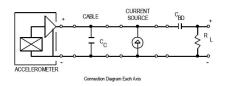
Product	Description	27BLPF	27BLPF-R
3053VM1-120	Cable assembly, 10ft	Included	Optional
2943M1	Removal tool	Included	Optional
2987M9	Isolation mount	Included	Optional
32279	Mounting wax	Included	Optional
2775B	Signal conditioner	Optional	Optional
2793	Isotron® signal conditioner	Optional	Optional
4416B	Signal conditioner	Optional	Optional
6634C	Signal conditioner	Optional	Optional
4999	Signal conditioner	Optional	Optional
4990A-X	OASIS 2000 computer controlled system with cards 428, 433 and/or 482B	Optional	Optional

### Notes

- 1. +24 Vdc must be available to the accelerometer to ensure full scale operation at temperature extremes.
- 2. Shock pulses of short duration may excite transducer resonance. Shock level above the sinusoidal vibration limit may produce temporary zero shift that will result in erroneous velocity or displacement data after integration.
- 3. Mates with Endevco model 3053VM1 cable.
- 4. Depending on the dynamic and environmental requirements, adhesives such as petro-wax, hot-melt glue, and cyanoacrylate epoxy (super glue) may be used to mount the accelerometer temporarily to the test structure.
- 5. 5. To remove an epoxy mounted accelerometer, first soften the epoxy with an appropriate solvent and then twist the unit off with the supplied removal wrench. Damage to sensors caused by inappropriate removal procedures are not covered by Endevco's warranty.
- 6. Maintain high levels of precision and accuracy using Endevco's factory calibration services. Call Endevco's inside sales force at 866-ENDEVCO for recommended intervals, pricing and turn-around time for these services as well as for quotations on our standard products.

27BLPF - 10 - YY - R





### Contact

ENDEVCO

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Continued product improvement necessitates that Endevco reserve the right to modify these specifications without notice. Endevco maintains a program of constant surveillance over all products to ensure a high level of reliability. This program includes attention to reliability factors during product design, the support of stringent Quality Control requirements, and compulsory corrective action procedures. These measures, together with conservative specifications have made the name Endevco synonymous with reliability. 090719