

Model Number 3133D18T PERFORMANCE SPECIFICATION DOC NO PS3133D18T Accelerometer, Triaxial, IEPE REV C, ECN 13574, 07/21/17



- ULTRA MINIATURE SIZE
- IDEAL LOW FREQUENCY RESPONSE
- LOW BASE STRAIN SENSITIVITY
- TEDS FEATURE
- GROUND ISOLATED
- LOW OUTGASSING

	ENGLISH		SI	
				-
	0.03	oz	0.8	grams
	Adhesive		Adhesive	
Length	3	ft	914	mm
Type	4-pin		4-pin	
Material	Titanium		Titanium	
Material	Anodized Al		Anodized Al	
Material	Ceramic		Ceramic	
Mode	Shear		Shear	
				-
	5	mV/g	0.5	mV/m/s ²
	1,000	Gpeak	9810	m/s² peak
	0.3 to 6000	Hz	0.3 to 6000	Hz
	0.25 to 10000	Hz	0.25 to 10000	Hz
	± 1	% F.S.	± 1	% F.S.
	>27	kHz	>27	kHz
	6	%	6	%
	100	Ω	100	Ω
	0.06	Grms	0.59	m/s ² rms
				•
	3,000	Gpeak	29430	m/s ²
	1,500	Gpeak	14715	m/s ²
	-67 to +320	°F	-55 to 160	°C
	-40 to +185	°F	-40 to +85	°C
	Hermetic		Hermetic	
SSL	0.0002	g/Gauss	0.002	m/s²/Gauss
	0.001	g/με	0.01	m/s²/με
	_			Ī
	+18 to +30	VDC	+18 to +30	VDC
	2 to 20	mA	2 to 20	mA
	10	GΩ	10	GΩ
	+8 to +10	VDC	+8 to +10	VDC
	1.1 to 2.5	seconds	1.1 to 2.5	seconds
	100	Ω	100	Ω
	IEEE 1451.4		IEEE 1451.4	
	Type Material Material Material Mode	0.03	0.03	Description

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC		
3133D15T	0.25	20,000	0.5	-67 to 320	0.5 to 4.0		
3133D16T	0.7	5,000	0.3	-67 to 320	0.5 to 2.5		
3133D17T	2	2,500	0.15	-67 to 320	0.3 to 2.5		
3133D19T	10	500	0.02	-67 to 320	1.1 to 2.5		

Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Model 6298 small petro wax
- 2) Model 6981 removal tool
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Measured at 100 Hz, 10 Grms
- [2] Actual sensitivity is given on a calibration certificate
- [3] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
- [4] Measured using zero-based straight line method, % of F.S. or any lesser range.





