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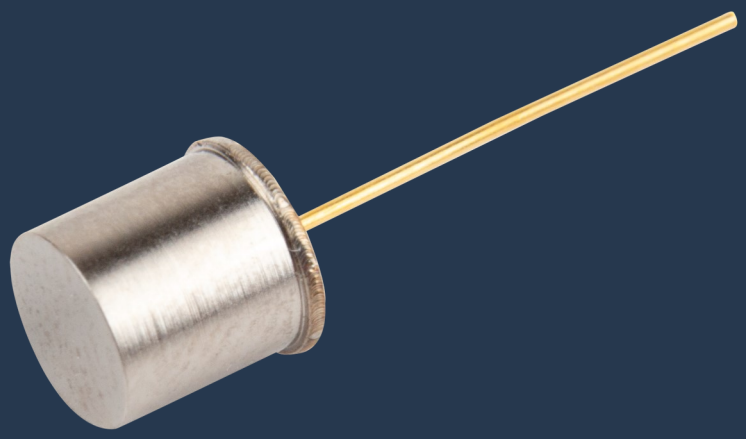

Impact Switch

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Impact Switch is a passive component used in impact-activated munition & fuzes. It generates a trigger for the fuze by closing the open circuit after the munition hits the target and the predetermined threshold acceleration value is reached. After the impact, the inertial spring-mass mechanism in the Impact Switch starts to move and contacts with the other pole of the switch. The contact changes the normally open circuit into closed state which generates a trigger signal as a result of the change in circuit continuity.

General Specifications

Electrical Interfaces	Connection	1 or 2 pins according to customer requirements	
	Resistance	Switch open : > 10 MOhm Switch closed : < 10 Ohm	
	Rated Voltage	28 V ± 1 V	
Operation Conditions*	Sinusoidal Acceleration Profile	Form	Half-sine
		Amplitude**	200 ± 50 g
		Duration	3 - 10 milliseconds
		Switching Time	< 3 ms
	Steady Acceleration	Acceleration Threshold***	150 ± 50 g

* *Switching acceleration profiles & levels can be modified according to customer requirements.*

** *Switch shall not close when subjected to a half-sine, 3-10 ms duration acceleration pulse with 150 g amplitude. Switch shall close when subjected to a half-sine, 3-10 ms duration acceleration pulse with 250 g amplitude.*

*** *Switch shall not close when subjected to a 100 g steady state acceleration. Switch shall close when subjected 200 g steady state acceleration.*

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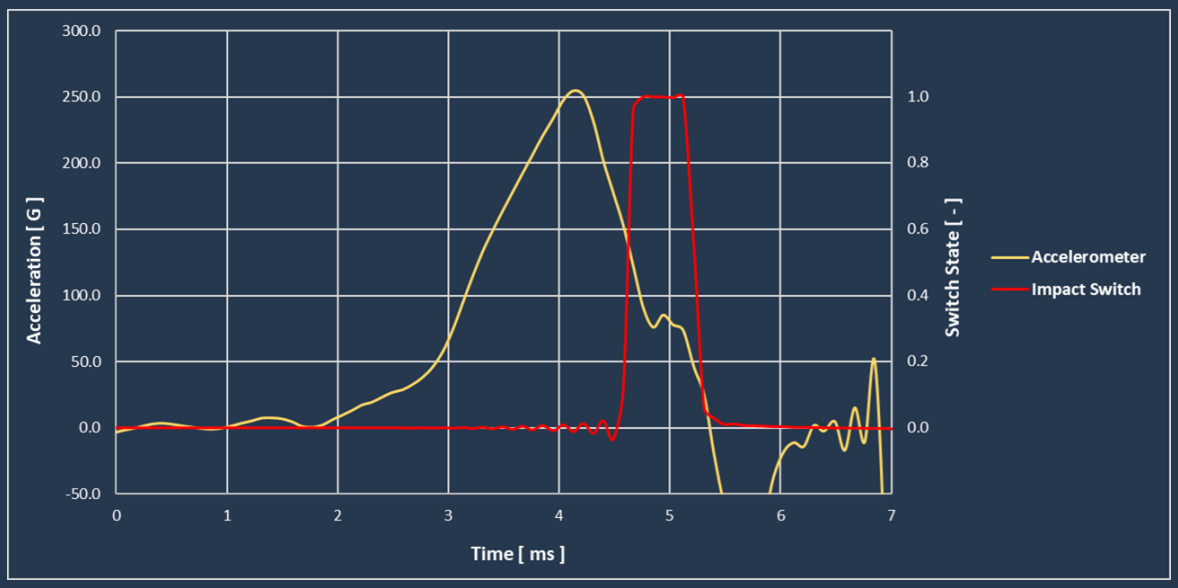
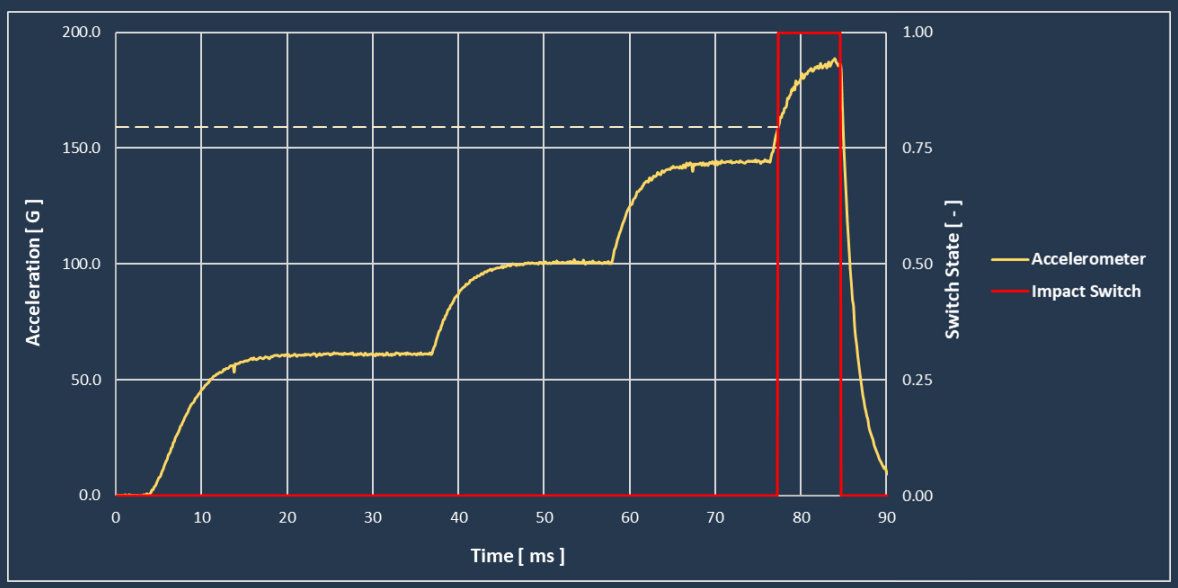
Shock Test of Impact Switch (Sinusoidal acceleration profile)



Centrifugal Test Result (Steady acceleration)



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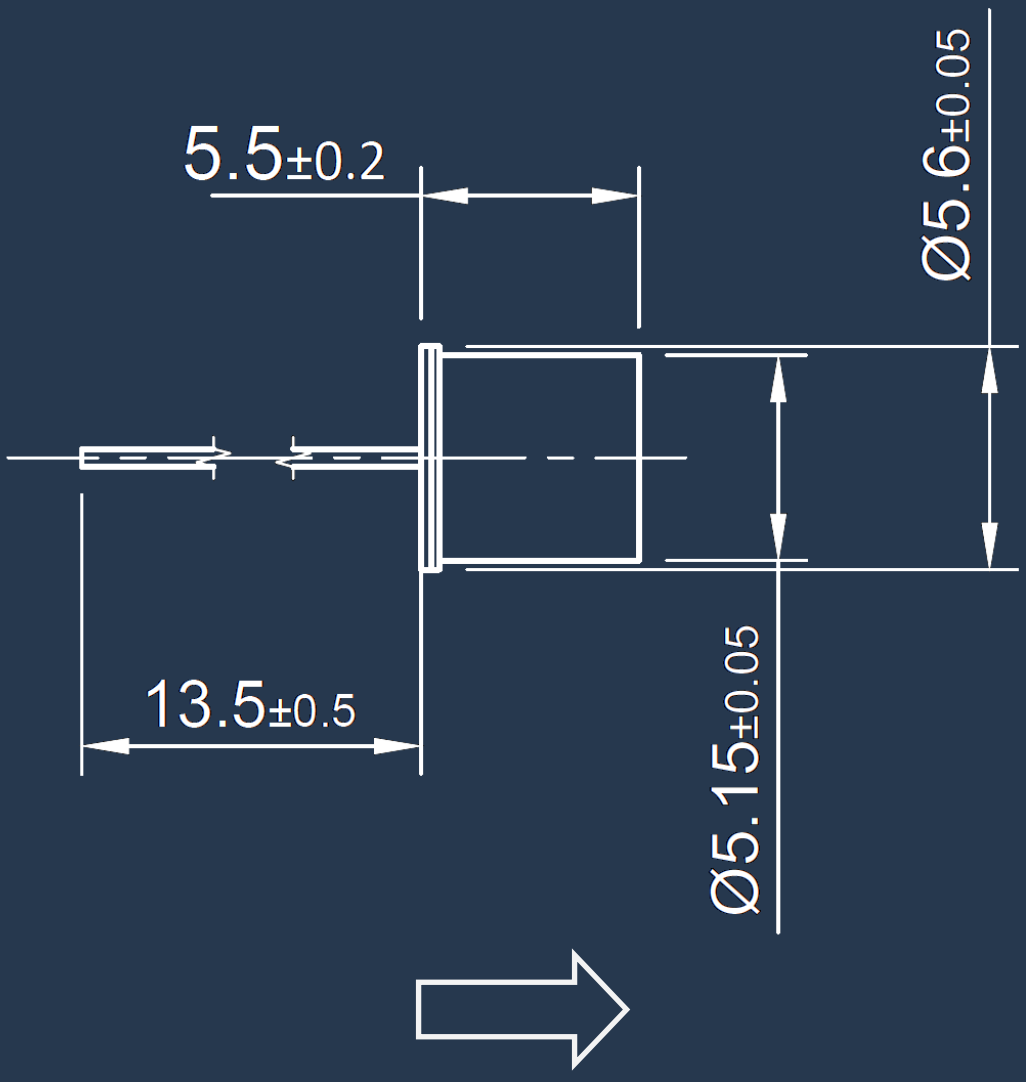
Dimensions



Accelerate in this direction to close the switch

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