




haptic reactor

List of Varieties

Series	AFT	AFR	AFDU
Photo			
Dimensions (mm)	10.0×22.6×9.0	23.0×33.0×13.0	10.0×19.0×5.0
Vibration Acceleration	3Gpp at 160Hz 2.28Gpp at 320Hz	15Gpp	4.9Gpp
Drive voltage	3V (square wave 3pulse)	6Vp-p (20 sine wave)	5.5Vp-p (30 sine wave)
Resonance frequency	160Hz (Low), 320Hz (High)	120Hz	175Hz
Operating temperature	-40℃ to +85℃		
Resistance	8Ω±10% (@20℃)	10.2Ω±10% (@20℃)	6.5Ω±10% (@20℃)
Automotive	○	●	●



● Indicates applicability to all products in the series, while ○ indicates applicability to some products in the series.

AFT Series

Reproduces diverse tactile sensations through dual resonance with vibration.



 Automotive

※Please check the product list for compatible products

■ Resonance frequency: 160Hz (Low), 320Hz (High)

Applications: Game: Home handheld consoles, Virtual/augmented reality
 Mobile: Headsets, wearables, Notebooks, peripherals
 Energy_Industrial: Industrial equipment, Robots, drones
 Home: Major home appliances
 Healthcare: Healthcare equipment
 Energy_Industrial: Robots, drones
 Automotive: Steering, Shifter, Navigation/audio systems, HVAC, Overhead consoles, Power Seats

Product List

Products No.	Vibration Acceleration	Drive voltagea	Operating temperature	Resistance	Size (mm)	Automotive	Drawing No.
AFT14A903A	3Gpp at 160Hz 2.28Gpp at 320Hz	3V (square wave 3pulse)	-40℃ to +85℃	8Ω±10% (@20℃)	10.0×22.6×9.0	—	1
AFT14A906A	3Gpp at 160Hz 2.28Gpp at 320Hz	3V (square wave 3pulse)	-40℃ to +85℃	8Ω±10% (@20℃)	10.0×22.6×9.0	●	2

Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).

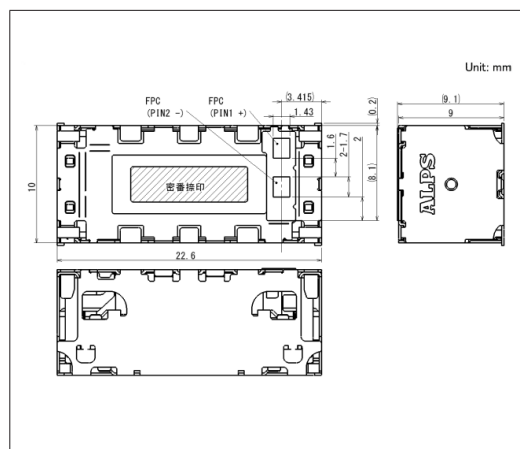
Packing Specifications

Tray

Number of packages(pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
1,000	1,000	270×360×185

Drawing No.1

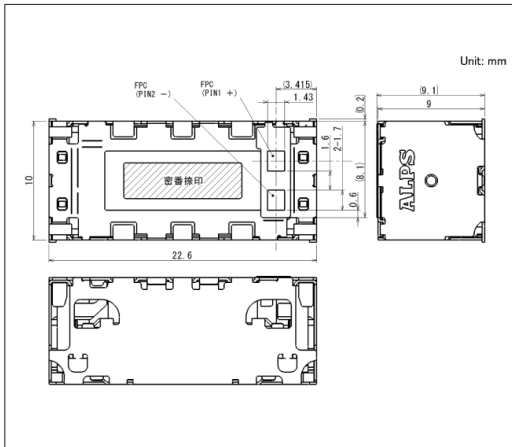
Dimensions



AFT Series

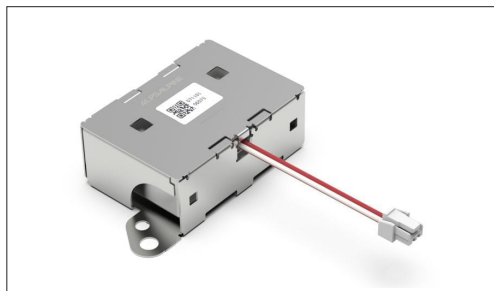
Drawing No.2

■ Dimensions



AFR Series

Automotive-compatible product delivering 15G of powerful vibration acceleration and clear click feel.



- Resonance frequency: 120Hz

Applications:Energy_Industrial:Robots, drones,Industrial equipment
Game:Home handheld consoles,Virtual/augmented reality
Home:Major home appliances,Major home appliances
Automotive:Steering,Shifter,Navigation/audio systems, HVAC

■ Product List

Products No.	Vibration Acceleration	Drive voltagea	Operating temperature	Resistance	Size (mm)	Automotive	Drawing No.
AFR14A901B	15Gpp	6Vp-p (20 sine wave)	-40℃ to +85℃	10.2Ω±10% (@20℃)	23.0×33.0×13.0		1



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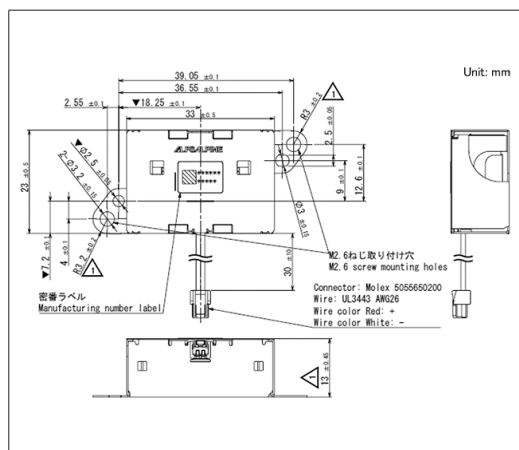
■ Packing Specifications

Tray

Number of packages(pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
200	200	270×360×185

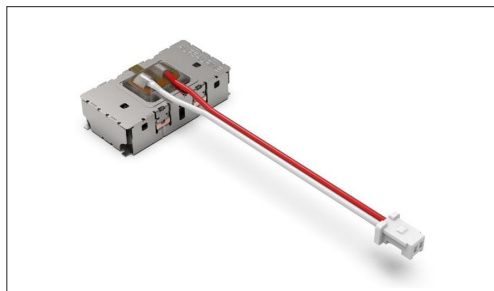
Drawing No.1

■ Dimensions



AFDU Series

Automotive-compatible product with compact size and strong vibration acceleration.



Automotive

- Resonance frequency: 175Hz

Applications:Energy_Industrial:Robots, drones,Industrial equipment
Game:Home handheld consoles,Virtual/augmented reality
Home:Major home appliances,Major home appliances
Automotive:Steering,Shifter,Navigation/audio systems, HVAC

■ Product List

Products No.	Vibration Acceleration	Drive voltagea	Operating temperature	Resistance	Size (mm)	Automotive	Drawing No.
AFDU1A031A	4.9Gpp	5.5Vp-p (30 sine wave)	-40℃ to +85℃	6.5Ω±10% (@20℃)	10.0×19.0×5.0		1



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■ Packing Specifications

Tray

Number of packages(pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
600	600	270×360×185

Drawing No.1

■ Dimensions

