

Panasonic
ideas for life

**A PIERCED EARRING SIZE
DETECTION SWITCH**

**FP (ABP8)
SWITCHES**



- Ultra-miniature size (3.4×3.4×2.4mm .134×.134×.094 inch)
Meet the market requirements of FDD miniaturization
- Low operating force Max. 0.3 N
- SMD type available

ORDERING INFORMATION

Type	Part No.
Type I	ABP811161P
Type II	ABP811261P

Remarks: Standard packaging
1 reel: 2,000 pcs.
1 case: 5 reels (10,000 pcs.)

TYPICAL APPLICATIONS

- Floppy Disk Drivers
- Optical Disk Drivers
- CD-ROM Drivers
- Notebook Personal Computers
- Portable Handy Phones
- VCR
- Printers

SPECIFICATIONS

1. Contact rating

Standard rating	0.1A 10V DC
Low-level circuit rating	0.01mA 5V DC

2. Characteristics

Expected electrical life (Min. operations)	0.1A 10V DC resistive	Min. 5×10 ⁴
	10mA 5V DC resistive	Min. 10 ⁵
Insulation resistance (by 100V DC insulation resistance meter)	Min. 100MΩ	
Dielectric Strength	100Vrms for 1 min.	
Vibration resistance	14.7m/s ² 8 to 500Hz (contact opening: Max. 10μsec.)	
Shock resistance	Min. 294 m/s ² (contact opening: Max. 10μsec.)	
Ambient temperature	-25°C to +80°C -13°F to +176°F (not freezing below 0°C 32°F)	
Initial contact resistance	Max. 3Ω (by HP4328A)	

3. Operating characteristics

		Type I	Type II
Operating force Max.		0.3 N	
Free position Max.	mm inch	3.7 .146	4.9 .193
Operating position	mm inch	3.3±0.2 .130 ±.008	4.5±0.2 .177 ±.008
Total travel position Max.	mm inch	2.3 .091	3.5 .138
Total stroke	mm inch	1.2 .047	

