

Panasonic
ideas for life

A PIERCED EARRING SIZE DETECTION SWITCH

FP (ABP8) SWITCHES

- Ultra-miniature size (3.4x3.4x2.4mm .134x.134x.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 10mA 5V DC resistive	Min. 5×10^4 Min. 10^5
Insulation resistance (by 100V DC insulation resistance meter)		Min. $100M\Omega$
Dielectric Strength		100Vrms for 1 min.
Vibration resistance		14.7m/s ² 8 to 500Hz (contact opening: Max. 10 μ sec.)
Shock resistance		Min. 294 m/s ² (contact opening: Max. 10 μ sec.)
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
Operating position	mm inch	3.3±0.2 .130 ±.008
Total travel position Max.	mm inch	2.3 .091
Total stroke	mm inch	1.2 .047

