

The latest addition to the popular PolySwitch surface mount product family, the picoSMD device consumes less than half the board space required by previous offerings, and provides a significant advantage in space-constrained board designs.

The 0805 (2012 mm) EIA compliant form factor device is designed for the latest generation of high frequency data ports, I/O ports and storage devices, and offers circuit designers the smallest PPTC (Polymeric Positive Temperature Coefficient) overcurrent protection device available for consumer and computer electronics.

The device's small size, fast time-to-trip, and low power dissipation make it a logical and innovative solution for high-density circuit board designs. Rated at 6V, the picoSMD035F device provides a hold current of 0.35A, a trip current of 0.75A and a maximum resistance of 1.4Ω.

The picoSMD device meets all applicable safety agency standards, is full-edge terminated with nickel-gold finish for solderability, and is RoHS compliant. Production quantities are available in tape and reel packages.



### Benefits:

- Small footprint saves board space and cost
- Meets requirement for I/O port protection
- Certified to meet applicable safety standards
- Compatible with high-volume electronics assembly

### Features:

- RoHS compliant
- Voltage rating to 6V
- Fast time-to-trip
- Low resistance - maximum of 1.4Ω

### Applications:

- High frequency data ports
- Storage devices
- Portable electronics
- Multimedia devices
- Gaming machines
- Mobile phones
- Automotive peripherals

### Electrical Characteristics at Room Temperature:

Part Number	I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>Max</sub> (V <sub>DC</sub> )	I <sub>Max</sub> (A)	P <sub>D Max</sub> (W)	Max. Time-to-Trip		R <sub>Min</sub> (Ω)	R <sub>1 Max</sub> (Ω)
						(A)	(S)		
picoSMD035F	0.35	0.75	6	20	0.60	3.50	0.10	0.42	1.40

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