

## Device Specification

### ELECTRICAL CHARACTERISTICS



Part Number	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	P <sub>d typ</sub> (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>1max</sub> (Ω)
SMD2920P150TF	1.50	3.00	33	40	1.50	8.00	2.00	0.080	0.230

**Note:** I<sub>hold</sub> = Hold current: maximum current device will pass without tripping in 23 °C still air.

I<sub>trip</sub> = Trip current: minimum current at which the device will trip in 23 °C still air.

V<sub>max</sub> = Maximum voltage device can withstand without damage at rated current (I<sub>max</sub>)

I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>)

P<sub>d typ</sub> = Typical power dissipated from device when in the tripped state at 23 °C still air.

R<sub>min</sub> = Minimum resistance of device in initial (un-soldered) state.

R<sub>1max</sub> = Maximum resistance of device at 23 °C measured one hour after tripping or reflow soldering of 260 °C for 20 sec.

\*Value specified were determined using the PWB with 0.150" \* 1.5oz copper traces.

\*Customer should verify the device performance in their specified conditions.

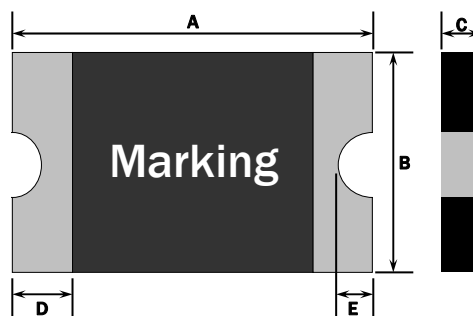
**Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.**

**Recognitions:**  

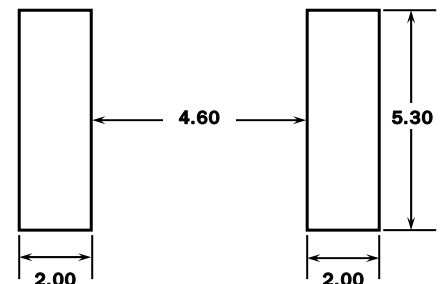
#### Marking

Polytronics / Polystar Logo  
**P<sub>150</sub>**  
 Part Identification

#### Figure



#### Recommended Pad Layout (mm)



Note: Polystar is Polytronics's manufacturing site in China. The Polystar ID marking shall appear on smallest package.

### PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD2920P150TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00

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