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EVERFUSE™
Polymeric PTC Resistor

Device Specification

RoHS 2002/95/EC

ELECTRICAL CHARACTERISTICS

Part Number	I_{hold} (A)	I_{trip} (A)	V_{max} (Vdc)	I_{max} (A)	P_d max. (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec.)	R_{min} (Ω)	R_{1max} (Ω)
SMD1812P200TFT	2.00	3.50	8	100	0.80	8.00	2.00	0.020	0.070

Note: I_{hold} = Hold current: maximum current device will pass without tripping in 20℃ still air.

I_{trip} = Trip current: minimum current at which the device will trip in 20℃ still air.

V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max})

I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max})

P_d = Power dissipated from device when in the tripped state at 20℃ still air.

R_{min}= Minimum resistance of device in initial (un-soldered) state.

R_{1max}= Maximum resistance of device at 20℃ measured one hour after tripping or reflow soldering of 260℃ for 20 sec.

*****Value specified were determined using the PWB with 0.030"*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:

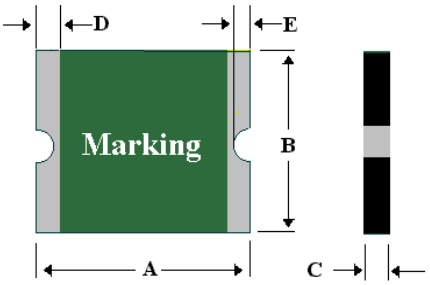
Marking:

Polytronics/ Polystar Logo

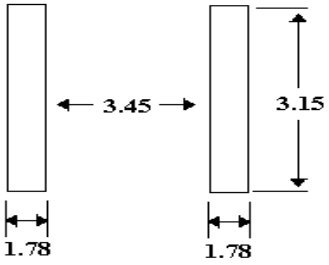
P_{20}

Part Identification

FIGURE



SOLDER PAD LAYOUTS



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.
SMD1812P200TFT	4.37	4.73	3.07	3.41	0.20	0.60	0.30	1.20	0.25	0.65

◎Specifications are subject to change without notice.