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EVERFUSETM

Polymeric PTC Resistor

Product: SMD1210P175TF
Revision: G
Date: April 29, 2008
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Device Specification



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_{Imax} (Ω)
SMD1210P175TF	1.75	3.50	6	100	0.8	8.00	0.60	0.020	0.080

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

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

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

R_{Imax} = Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C 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.

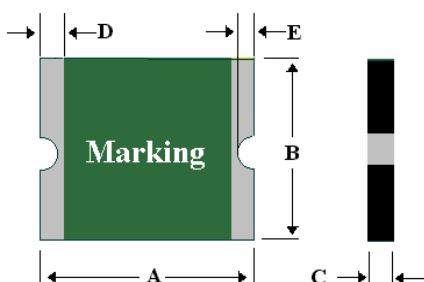
Recognitions:



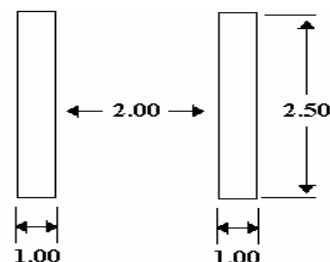
Marking:

└ Polytronics/ Polystar Logo
P₁₇
└ 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.
SMD1210P175TF	3.00	3.43	2.35	2.80	0.60	1.00	0.25	0.75	0.20	0.50

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