

## Device Specification

### ELECTRICAL CHARACTERISTICS



Part Number	$I_{hold}$ (A)	$I_{trip}$ (A)	$V_{max}$ (Vdc)	$I_{max}$ (A)	$P_{d\ typ}$ (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec.)	$R_{min}$ ( $\Omega$ )	$R_{1max}$ ( $\Omega$ )
PTC18128V110	1.10	2.20	8	100	0.80	8.00	0.30	0.040	0.210

Note:  $I_{hold}$  = Hold current: maximum current device will pass without tripping in 23 °C still air.

$I_{trip}$  = Trip current: minimum current at which the device will trip in 23 °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 ( $V_{max}$ )

$P_{d\ typ}$  = Typical power dissipated from device when in the tripped state at 23 °C still air.

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

$R_{1max}$  = 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 0.030" \* 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.

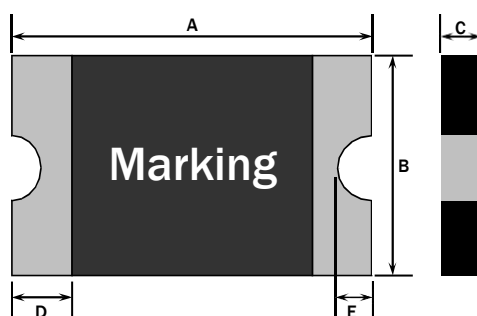
Recognitions:



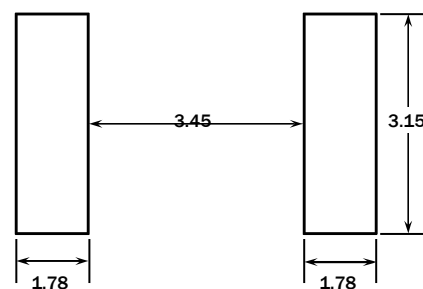
### Marking

Polytronics / Polystar Logo  
**B<sub>110</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.
PTC18128V110	4.37	4.73	3.07	3.41	0.30	0.71	0.30	1.20	0.15	0.65

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