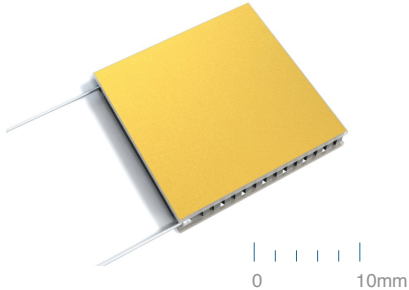




## THERMOELECTRIC COOLER PERFORMANCE



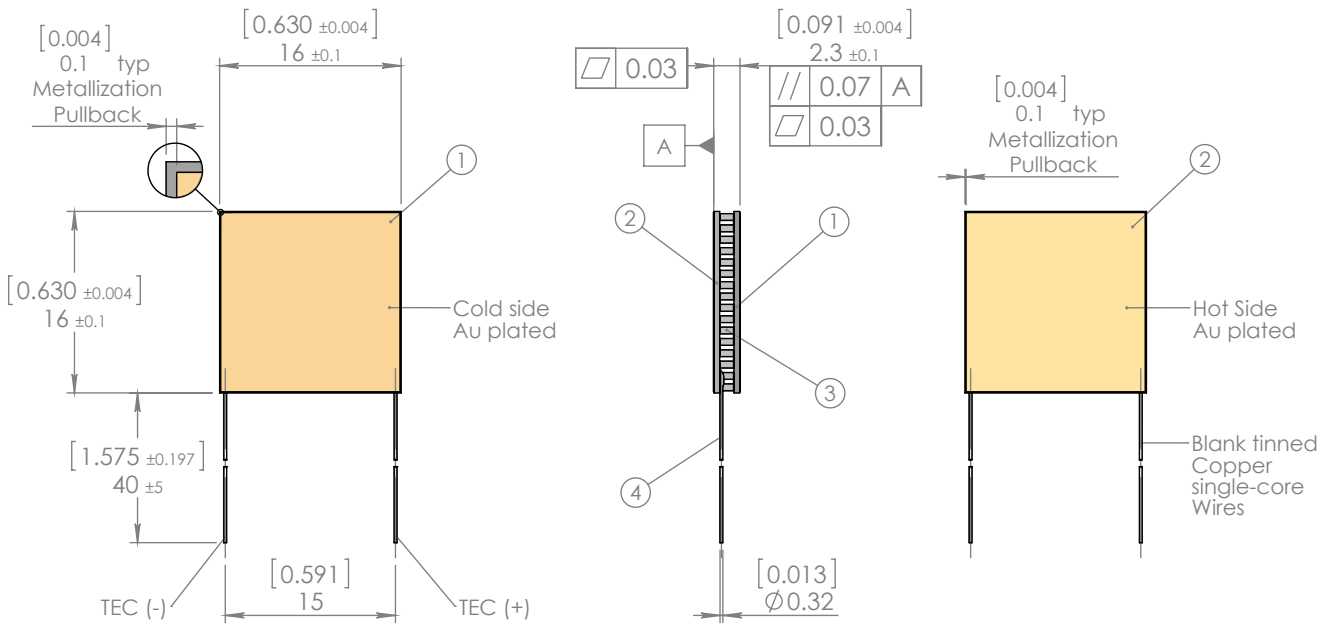
$\Delta T_{max}$ K	$Q_{max}$ W	$I_{max}$ A	$U_{max}$ V	ACR Ohm	Ambient Temperature	Conditions
71	12.8	1.3	15.7	8.8	+27°C / 300K	Vacuum
74	13.9	1.3	17.1	9.8	+50°C / 323K	Dry N2
80	15.0	1.3	18.8	11.0	+75°C / 348K	Dry N2
82	15.3	1.3	19.4	11.4	+85°C / 358K	Dry N2

Note: Thermoelectric Cooler performance values are specified for optimal conditions, assuming that TEC hot side ( $T_{hot}$ ) is stabilized at ambient temperature ( $T_{amb}$ )

## TECHNICAL DRAWING

1MC06-126-12

Dimensions are in mm  
Dimensions in [ ] are in inches



## TEC DESCRIPTION

## KEY FEATURES

- Ceramics:  $Al_2O_3$  (100%)
- Internal Assembly: Solder Sn-Sb ( $T_{melt}=230^\circ C$ )
- Cold Side Surface: Au plated (0.2 - 0.3 $\mu m$ )
- Hot Side Surface: Au plated (0.2 - 0.3 $\mu m$ )
- Terminal Contacts: AWG-28 Wires, blank
- TEC Polarity: standard
- Bi-Te Material: high-grade, hot-extruded type
- Protective Coating: N/A (available by request)
- Integrated Thermistor: N/A (available by request)

- Regular BiTe pellets placement technology
- RoHS EU Compliant
- REACH EU Compliant
- TELCORDIA GR-468 (MIL-883) qualified
- Classical shape (equal size of top and bottom)
- WB configuration is available by request
- Up to 225°C short time processing (for mounting)
- Wide range of additional manufacturing options (see Pages 3,4)