

## MOLDED TRANSITION THERMOCOUPLES

- ✓ Super-Rugged Molded Transition
- ✓ Cost Effective
- ✓ Prompt Delivery
- ✓ Many Designs Available From Stock
- ✓ Custom Labeling

Available From  
**Stock**

### APPLICATIONS:

- Plastics & Rubber Industries
- Injection Molding
- Hot Runner Manifolds

### FEATURES:

- Molded transition, designed for mechanical and thermal ruggedness
- Smallest transition size in the industry - ideal for Hot Runner Systems.
- The molded transition's low co-efficient of expansion and moisture-resistant capabilities are excellent for exposure to liquids
- Various sheath materials available
- Various leadwire insulations available
- Private labeling available

Molded transition thermocouples manufactured by Zesta Engineering are ideal for the most demanding molding applications.

With the smallest transition size in the industry, Zesta's molded thermocouples are invaluable in hot runner mold & nozzle installations with very tight space requirements.

Don't be fooled by the size of the small transition. Molded transition thermocouples by far outperform metal transition thermocouples when it comes to mechanical shock, vibration, pull strength, and moisture resistance. The molded design is also more cost effective than traditional metal transitions.

At Zesta, we understand the needs of mold makers large and small. Many designs are available from stock. We offer quick lead times on custom designs at the most competitive prices. We also offer private branding - custom tags labeled with your company's name and part number. We can even custom mold your company's name and logo into the molded transition itself.



**1-800-755-5418**  
www.zesta.com

## SPECIFICATIONS

**SENSOR:**

Sensor Type:

- Type J [range - 40 to 750°C (-40 to 1382°F) ]
- Type K [range - 200°C to 1350°C (-328°F to 2462°F) ]
- Type T [range - 200 to 350°C (-328°F to 660°F) ]

Measuring Point:

- Grounded (non-isolated)
- Ungrounded (isolated)
- Exposed tip

Sheath Material:

- Stainless Steel rated up to 800°C (1472°F)
- Inconel 600 rated up to 1200°C (2192°F)

Sheath Diameter:

- 0.50 mm (0.020")
- 0.64 mm (0.025")
- 0.79 mm (0.031")
- 1.00 mm (0.040")
- 1.50 mm (0.063")
- 2.36 mm (0.093")
- 3.18 mm (0.125")
- 9.50 mm (0.375")

**MOLDED TRANSITION:**

- Temperature Rating: designed to withstand temperatures from -20 to 535°C
- Moisture proof

Transition sizes:

- 0.125" dia. X 0.75" long
- 0.197" dia. X 0.79" long (standard)
- 0.250" dia. X 0.75" long
- 0.188" dia. X 0.75" long

**LEAD WIRE:**

Available insulation materials:

- Kapton -25 to 260°C
- PTFE -50 to 260°C
- Fiberglass -50 to 482°C

Stainless steel overbraid available on all varieties

**TERMINATION:**

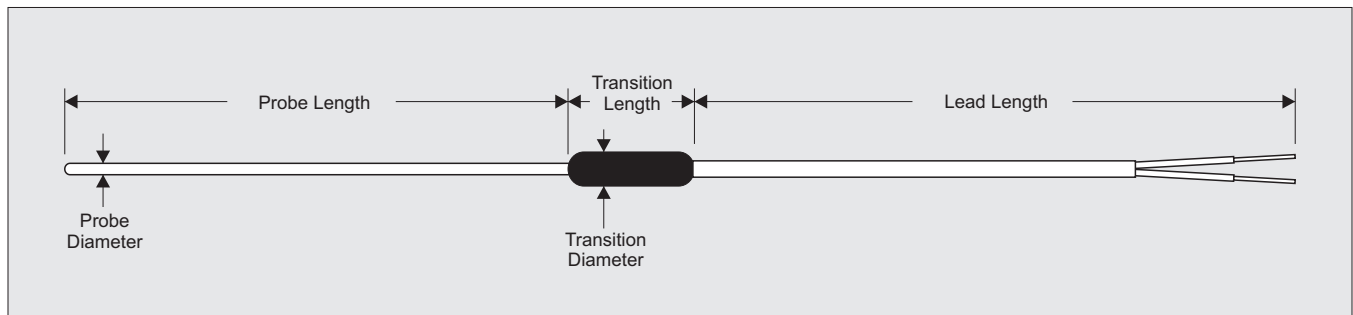
- Split leads (standard)
- Standard size thermocouple plug or jack
- Miniature size thermocouple plug or jack

Stainless steel overbraid available on all varieties

**OPTIONS:**

Custom branding:

- Custom tagging - your part number and/or company name printed on each tag.
- Custom molding - your company name and/or logo molded into the transition
- Available in colours to match ASTM standards or OEM company colours

**ZESTA ENGINEERING LTD.**