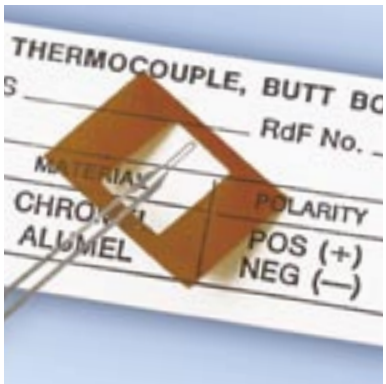
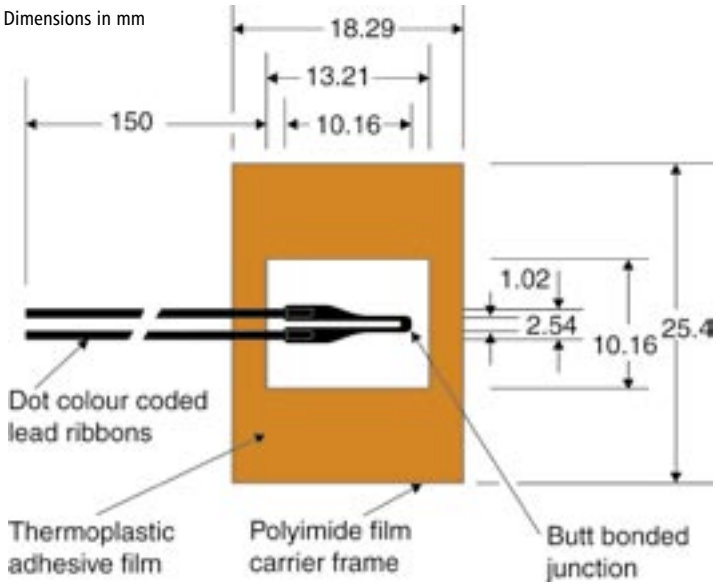
Butt bonded thermocouples 20100 series



These thermocouples have their free filament supported on a temporary polyimide film carrier. This is a tough, flexible and dimensionally stable material rated at 260˚C continuous.

During installation the carrier can be peeled from the sensor or released by the application of heat, alternatively parts of the carrier may be cut away with scissors or a knife. Designed primarily for application with ceramic cements. The free foil thermocouple can be easily brushed into a thin layer of cement following application and drying of a thin insulating layer if an ungrounded junction is required.

- **Response time down to 1mS (grounded)**
- **Low mass giving low thermal inertia (butt bonded construction)**
- **Flexible will bond to flat or curved surfaces**
- **May be used with any standard readout equipment**



Part number	Thermocouple type	Foil thickness (mm)	Leads (mm)	Temperature range ˚C
20100-1	Type K	0.005	0.025 x 0.76	-160 to +815
20100-2	Type K	0.013	0.05 x 0.76	-160 to +815
20101-1	Type E	0.005	0.025 x 0.76	-160 to +650
20102-2	Type T	0.013	0.05 x 0.76	-160 to +370

Part number	Thermocouple type	Foil thickness (mm)	Leads (mm)	Temperature range ˚C
20113	Type E	0.013	0.25	-195 to +260
20114	Type T	0.013	0.25	-195 to +260