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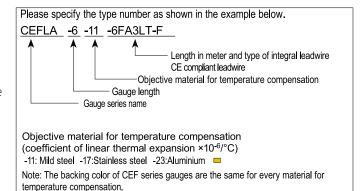
## **CEF-Series**

## High & Low Temperature Strain Gauges

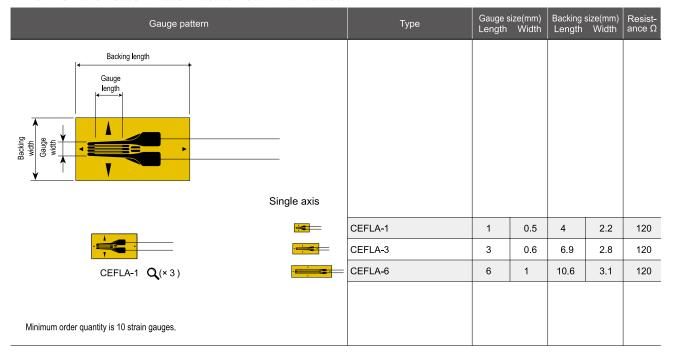
### GENERAL USE

These are strain gauges utilizing polyimide resin for the gauge backing and special alloy foil for the grid. It features a wide range of operating temperature from cryogenic temperature to +200°C. This series is available only in single axis configuration with gauge length of 1,3 and 6mm.

Operating temperature range  $-269 \sim +200^{\circ}\text{C}$  Temperature compensation range  $(approx.)-196 \sim +80^{\circ}\text{C}$  CN  $-196 \sim +200^{\circ}\text{C}$  CN  $-269 \sim +200^{\circ}\text{C}$  CB-2  $-60 \sim +200^{\circ}\text{C}$ 



### CEF-SERIES / SINGLE AXIS / HIGH & LOW TEMPERATURE /



# Dedicated leadwire recommended for CEF series strain gauges (made to order)

We supply various leadwires dedicated to strain gauges so as to meet our customers' requirements. Please refer to page 32 to 40 for the details of combination of a strain gauge and a leadwire. For CE marked strain gauges, only the leadwires using lead-free solder are available.

#### Type and designation of leadwires

Type and designation of loadwines			
Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example
High & Low temperature	3-wire twisted FEP leadwire 6FA □ LT-F 3-wire twisted FEP single-core leadwire 6FB □ LT-F	-269~+200	CEFLA-1-11-6FA3LT-F CEFLA-1-11-6FB3LT-F
	3-wire twisted fluorinated resin (PTFE) leadwire 4FA \( \text{LT-F} \)  3-wire twisted fluorinated resin (PTFE) single-core leadwire 4FB \( \text{LT-F} \)	-269~+260	CEFLA-1-11-4FA3LT-F CEFLA-1-11-4FB3LT-F

NB: □ shows the lead wire length in meter

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

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