



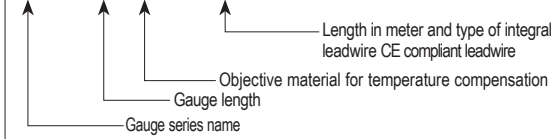
High Temperature Strain Gauges EF series

These gauges have a small grid pattern required for measurement of printed circuit boards and surface mounted devices, which are getting smaller and smaller. The backing of the gauges is made of polyimide resin. The maximum operating temperature is +300°C for single element gauges and +200°C for two and three elements gauges. The lowest operating temperature is -196°C for both gauges.

Operating temperature range For more information, please see below.	Applicable adhesives
Temperature compensation range For more information, please see below.	CN -196~+120°C EB-2 -60~+200°C C-1 -196~+200°C NP-50B -30~+300°C

Please specify the type number as shown in the example below.

EFLK -02 -11 -4FA3LT-F



Objective material for temperature compensation (coefficient of linear thermal expansion $\times 10^{-6}/^{\circ}\text{C}$)
-11: Mild steel ■

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resistance Ω	
		Length	Width	Length	Width		
 EFLX-02-11							
	<ul style="list-style-type: none"> ● Single axis <ul style="list-style-type: none"> Operating temperature range -196~+300°C Temperature compensation range +10~+150°C 	EFLK-02-11	0.2	0.8	1.6	1.2	120
	<ul style="list-style-type: none"> ● 0° /90° 2-axis Stacked <ul style="list-style-type: none"> Operating temperature range -196~+200°C Temperature compensation range 0~+150°C ● 0° /45° /90° 3-axis Stacked <ul style="list-style-type: none"> Operating temperature range -196~+200°C Temperature compensation range 0~+150°C 	EFLX-02-11	0.2	0.8	1.8	1.2	120
	EFC A-05-11-002LE	0.5	0.4	ϕ 3.8		120	
	-002LE: Polyimide insulated gauge lead of 2-cm pre-attached						
	EFRA-05-11-002LE	0.5	0.4	ϕ 3.8		120	
	-002LE: Polyimide insulated gauge lead of 2-cm pre-attached						

Minimum order quantity is 10 strain gauges.