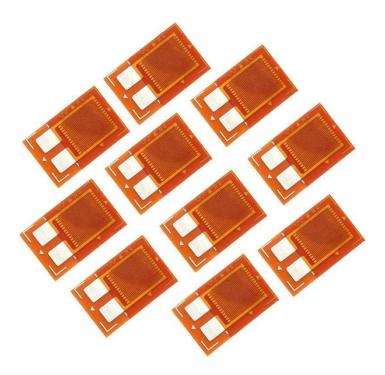


## **EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at <u>www.hestore.hu</u>.

## Foil Resistance Strain Gauge 350 ohm BF350-3AA



## **Introduction**

A resistive strain gauge sensor with a 350-ohm nominal resistance which varies when a force is applied. By measuring the change in the sensor's resistance, a measurement of the force applied to it can be obtained. The strain gauges exhibit small changes in resistance. Usually used in general metal materials and other similar elastomers.

## **Parameters**

Туре	BF350-3 AA
Resistance	350 $\Omega$ (typ.)
The Basal Material	Epoxy-Modified Phenolic
Basal Material Thickness	$32 \pm 1(um)$
Grid Material	Constantan
Insulation resistance	<b>10000</b> Ω
Sensitivity Coefficient	2.1
Sensitivity Coefficient Dispersion	$\leq \pm$ 1%
Transverse effect coefficient	0.4%
Strain Limit	2.0%
Fatigue Lifetime	≥1M
Size	7.1 X 4.5mm/0.28 X 0.18inch(L*W)
Working Temperature	-30~+80℃
Temperature Compensation	Aluminium
Temperature Compensation Coefficient	9,11,16,23,27

Backing Material		Г	Resistance in OHMs				s	.T.CO	DE.M.C
Kind	of Strain Gage		Active Gage Le	ngth - -	Grid	and Tab Geome			Compensation
в		F	Phenolices	120 175 350 500 700 1000	AA	Homo taxial	Steel	11	T5 T3 T1 T8 T6 T4 N4 N6 N8 N0 N1 N3 N5 N7 N9
		н	Ероху		НА	45° Indented Slice			
		Х			GB	GB Sewmi-bridge			
т	A Specific use B		Polyimide		Slice	AI	23	creep	
		A			FG	Full-bridge Slice	~		minus
		Reinforced Laminated Epoxy	1500	ка	Wafer Slice	Stainless Steel	16		

