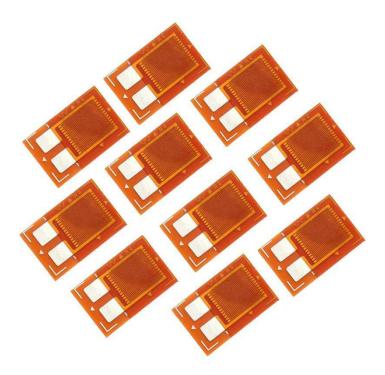


EN: This Datasheet is presented by the manufacturer.

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 Ω (typ.)
The Basal Material	Epoxy-Modified Phenolic
Basal Material Thickness	$32 \pm 1(um)$
Grid Material	Constantan
Insulation resistance	10000 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		

