

**SS496B-F**

 ( [Home](#) : [Products](#) : [Sensors](#) : [Magnetic Sensors](#) : [1st Level Hall-Effect Sensors](#) : [SS490](#) )


Actual product appearance may vary.

cost-reduced miniature ratiometric linear Hall-effect sensor IC, flat TO-92-style package, formed leads, 1000 units/bag



Flat TO-92-style formed leads highres photo



Flat TO-92-style formed leads low res photo

**Product Specifications**

Product Type	Miniature Hall-Effect Linear Position Sensor IC
Package Quantity/Type	1000 units/bag
Package Type	Flat TO-92-style, 14,99 mm [0.590 in] formed leads, 2,54 mm [0.100 in] spacing
Supply Voltage	4.5 Vdc to 10.5 Vdc
Output Type	Sink/Source
Termination Type	PC Board
Magnetic Actuation Type	Ratiometric
Operating Temperature	-40 °C to 150 °C [-40 °F to 302 °F]
Storage Temperature	-55 °C to 165 °C [-67 °F to 329 °F]
Linearity (% of Span)	-1.0% typ., -1.5% max.
Temperature Error	± 0.064 (Null Shift); -0.02 min., 0.08 max. (Sensitivity)
Availability	Global
Supply Current	8.7 mA @ 5 Vdc
Sensitivity	2.500 mV ±0.200 mV/G
Output Current Sourcing	1 mA min., 1.5 mA typ.
Output Current Sinking	1 mA min., 0.6 mA typ.
Null Output	2.50 Vdc ±0.075 Vdc
Response Time	3 µs
Series Name	SS490
Magnetic Range	-75 mT to 75 mT [-750 G to 750 G] min.; -84 mT to 84 mT [-840 G to 840 G] typ.
Output Voltage Span	0.4 Vdc to (V <sub>S</sub> - 0.4 Vdc) min.; 0.2 Vdc to (V <sub>S</sub> - 0.2 Vdc) typ.