

Solid State Sensors

Digital Bipolar Position Sensors

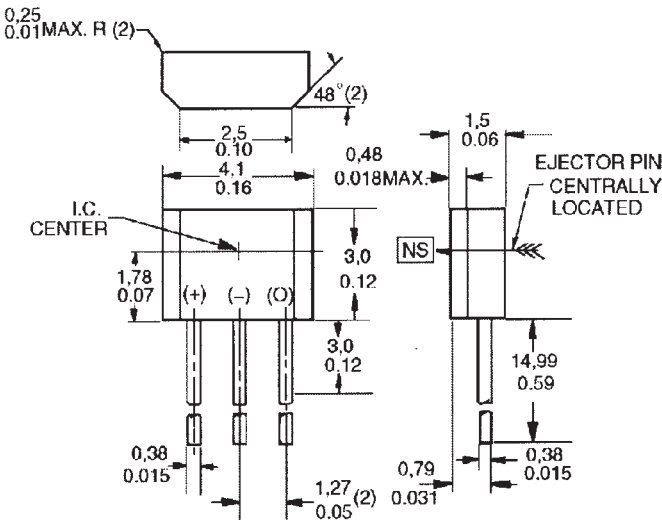
SS40



FEATURES

- Small size (.16" x .12")
- Reverse power polarity protection
- Current sinking output
- Sensitive magnetic characteristics
- Operating speed from 0 to over 100 kHz
- Operating temperature range: -40° to 150°C

MOUNTING DIMENSIONS (For reference only)



SS40 ORDER GUIDE

Catalog Listings		SS41	
Supply Voltage (VDC)		4.5 to 24	
Supply Current (mA)		4 typ., 8.7 max. @ Vs = 4.5V 6 typ., 15 max. @ Vs = 6 to 24V	
Output Type		Sink (20 mA max.)	
Output Voltage (V)		0.15 typ., 0.40 max. @ -40 to +125°C 0.15 typ., 0.45 max. @ 125 to 150°C	
Output Leakage Current (Released)		10 µA Leakage into sensor	
Output Switching Time	Rise (10% to 90%)	0.2 µs typ. 1.5 µs max.	
	Fall (90% to 10%)	0.5 µs typ. 1.0 µs max.	
Magnetic Type		Bipolar	
Magnetic Char. & Temp.*			
0 to 85°C	Max. Op.	G 150	mT 15.0
	Min. Rel.	-150	-15.0
	Min. Dif.	50	5.0
-40 to 125°C	Max. Op.	200	20.0
	Min. Rel.	-200	-20.0
	Min. Dif.	40	4.0
25°C Typ.	Typ. Op.	40	4.0
	Typ. Rel.	- 40	- 4.0
	Typ. Dif.	80	8.0
-40 to 150°C	Max. Op.	250	25.0
	Min. Rel.	-250	-25.0
	Min. Dif.	30	3.0

*G = Gauss
mT = milliTesla.