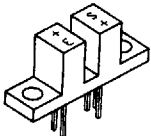
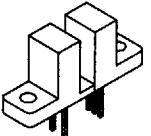
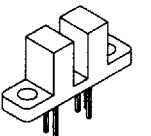
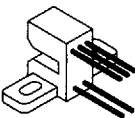


Optoschmitt Assemblies

These assemblies are based on the SEP8506 IRED and SDP8600 optoschmitt product families. The sensor output is buffered by a Schmitt Trigger to guarantee transition times consistent with the requirements of todays digital circuits. Maximum IRED current value to cause sensor change of state is 20 mA. Output is grounded-emitter NPN transistor with an internal 10K Ω collector pull-up to V_{cc}. Schmitt characteristics can be found on the SEP8506 and SDP8600 listings (see pages 18 and 25).

ORDER AND SPECIFICATION GUIDE

Package Style	Part Number	Sensor Aperture (LxW) Inches	Polarity
 Drawing 67 Page 47	HOA2001-1 Note 1	0.060 dia	buffer
 Drawing 68 Page 47	HOA2002-1 Note 2 and 3	0.040 x 0.010	buffer
 Drawing 69 Page 47	HOA2003-1 Note 2 and 3	0.040 x 0.010	buffer
 Drawing 70 Page 47	HOA2004-1 Note 2 and 3	0.040 x 0.020	buffer

NOTES:

1. The HOA2001 changes state as I_F increases from zero to 10 mA max. Output is LO when input excitation is zero.
2. Assemblies in this family change state as I_F increases from zero to 20 mA max. Output is LO when input excitation is zero.
3. HOA2002-1 and HOA2003-1 are identical except for sensor lead spacing.