SOLDERING TEMPERATURE CAUTION

It is NOT recommended to use wave soldering processes on AOSI sensors.

The lead / pin temperature of the sensors must be kept as low as possible. The sensor should be soldered with equal guidelines at low power transistors, where the terminal is heated by the soldering iron for a very short time (1 or 2 seconds) maximum.

The soldering should be performed with a 25 Watt soldering iron (40Watt MAX). If the recommended times are exceeded in the soldering operation, the sensor may exhibit erratic and unusual outputs during its standard operation and the terminals may peel off.

The changes are not reversible. The accuracy of the sensor is permanently destroyed.

Any standard SN63PB37 solder alloy or equivalent is suitable for standard soldering.
For ROHS applications SN96.5AG03CU.5 solder can be used.
The 0.025-0.035 diameter of solder wire is recommended.

Hand soldering requires particular care for most hand soldering equipment, as it is generally not accurately temperature controlled.

For any additional information please contact Advanced Orientation Systems, Inc. engineering at 908-474-9595