



# DOWN HOLE ELECTRONICS SOLDER ALLOYS

Down hole electronics, such as oil and gas exploration, require solder alloys that have the durability to withstand the extreme thermal, geological and mechanical stresses of these applications. AIM understands system reliability is of the utmost importance, and offers a selection of high melting point alloys in a variety of forms which are proven to fulfill the requirements necessary for long-term reliability in solder joints.

ALLOY COMPOSITION	MELTING RANGE	TENSILE STRENGTH (ksi)	CREEP RESISTANCE
Sn63/Pb37	183°C	4.92	Moderate
CASTIN	217°C	5.73	High
Sn96.5/Ag3.5	221°C	8.90	High
Au80/Sn20	280 °C	40.00	Excellent
Sn95/Ag5	221 - 240°C	8.09	High
Sn95/Sb5	232 - 240°C	8.15	High
Sn5/Pb85/Sb10	245 - 255°C	5.57	Excellent
Sn5/Pb93.5/Ag1.5	296 - 301°C	4.30	High
Sn5/Pb92.5/Ag2.5	299 - 304°C	4.20	High

\*Additional alloys available upon request

**Compatible Fluxes** No-Clean, Water Soluble, Rosin

**AIM SOLDER** is your complete source for DOWN HOLE ELECTRONICS SOLDER ALLOYS proven to meet the demanding requirements needed and the fundamental TECHNICAL SUPPORT necessary to find the solution to any challenge.

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