

AIM SOLDER AND REL22™ & REL61™ ALLOYS

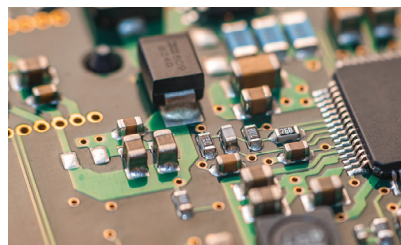
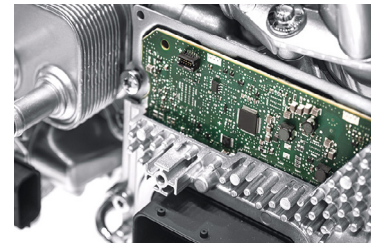
FOR THE AUTOMOTIVE INDUSTRY



Solder plus Support

AIM Solder is a leading global manufacturer of solder assembly materials for the electronics industry with manufacturing, distribution, and support facilities located throughout North and South America, EMEA, and Asia. AIM Solder is IATF 16949 certified and meets the quality demands of the global automotive marketplace.

REL22 has been engineered for automotive powertrain, high power, underhood and other high thermal/mechanical stress applications. REL22 exhibits a stable metallic grain structure and low intermetallic growth after thermal ageing. When combined with AIM's M8, REL22 reduces common production and quality issues seen with other high-reliability alloys, including BTC voiding and solder irregularities.

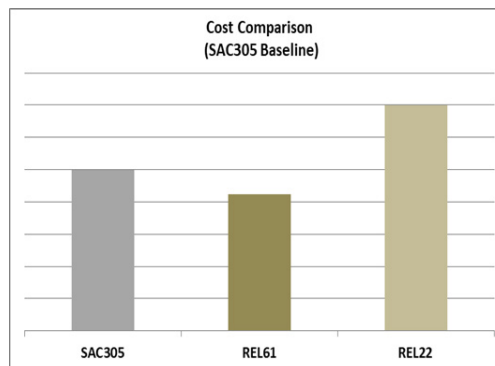
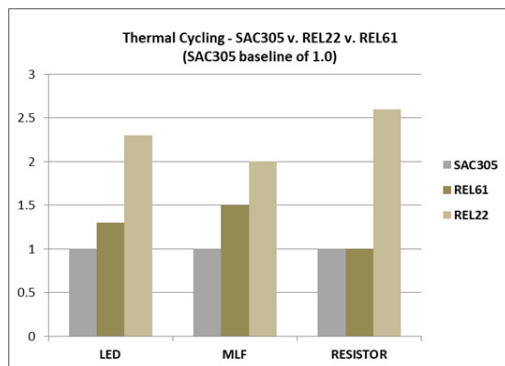


REL61 is a low silver, cost-efficient alloy offering performance equal to or better than SAC305. REL61 exhibits superior spread, flow and wetting versus other no/low silver alloys. REL61 improves AOI inspection due to its uniform luster. REL61 is extremely cost-competitive to SAC305 and outperforms other low/no silver alloys providing increased durability, improved in-process performance and lower processing temperatures.

REL22 & REL61 alloys are available in bar solder, wire solder and solder paste.

ALLOY FEATURES	SAC305	REL61	REL22
Thermal Cycling IPC -785 -40°C - +125°C	BASELINE	BETTER	BEST -40°C - +150°C*
Hardness	14/HV10	26/HV10	29/HV10
Melting Range	217°C - 220°C	208°C - 215°C	210°C - 212°C
Vibration	BASELINE	BETTER	BEST
Tin Whisker Mitigation	BASELINE	BETTER	BEST
Dross Generated	BASELINE	BETTER	BEST
Voiding	BASELINE	BEST	BETTER

*REL22 test protocols exceed IPC requirements



PLEASE CONTACT YOUR LOCAL AIM REPRESENTATIVE FOR MORE INFORMATION