

Coax Resonators

Reflow Process Compatibility

for Lead (Pb)-Free and RoHS-Compliant



Trans-Tech, a subsidiary of Skyworks Solutions, Inc. has designated its RoHS-compliant—including lead (Pb)-free—components as those that have an “E” suffix part number. The table below shows reflow soldering process recommendations for both non-RoHS (non-“E”) and RoHS-compliant (“E”) parts

Reflow Profile Feature	Non-RoHS (SnPb)	RoHS Compliant, Lead (Pb)-Free, “E”
Solder reflow profile (unless otherwise stated)	Reference solder paste manufacturer’s recommendations and your component and design requirements	Reference solder paste manufacturer’s recommendations and your component and design requirements
Maximum ramp-up rate	3 °C/sec	3 °C/sec
Maximum time above liquidous	60–90 seconds	60–90 seconds
Maximum reflow temperature	220 °C	260 °C
Maximum time above	Max time above 200 °C = 30 seconds	Max time above 240 °C = 30 seconds
Maximum ramp-down rate	3 °C/sec	3 °C/sec
Termination – body/tab	Ag/SnPb	Ag/Au

RoHS-compliant components are also compatible with non-RoHS (SN/Pb) reflow processes.

General Information

Skyworks represents that the information provided herein is to the best of Skyworks' knowledge and belief true as of the date that it is provided. Skyworks bases its knowledge and belief on information provided by third parties, and makes no warranty as to the accuracy of such information. In addition, Skyworks' information consists of default values derived from internal process information and may not be representative of all processes used by Skyworks contract manufacturers (i.e., the default may indicate a lead-free packaging, while the packaging from certain contract manufacturers may contain lead). Efforts are underway to better integrate information from such contract manufacturers and other third parties. Skyworks has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. Certain Skyworks suppliers consider material content information to be proprietary, and thus CAS (Chemical Abstract Service) numbers for such materials may not be available for release. To the maximum extent permitted by law, Skyworks shall not be liable for any indirect, special, incidental, consequential or any other exemplary damages arising out of the information provided on Skyworks' environment web site.

