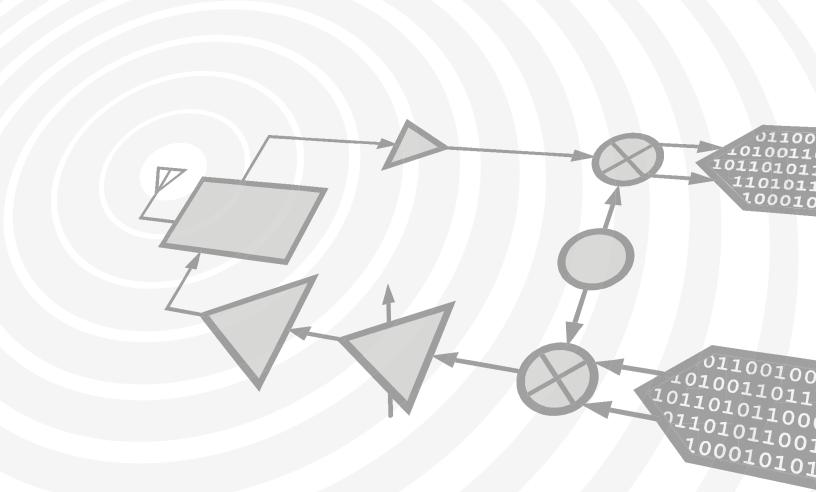




Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED







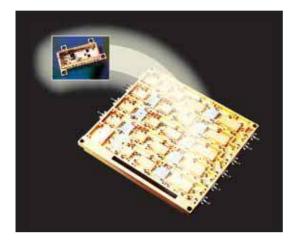
MILITARY & SPACE PRODUCTS



Military Level (Class B) MMIC Die and Packaged Die Screening

Hittite Microwave performs Class B screening on standard & custom product die and packaged die including SMT plastic encapsulated devices for COTS applications. We also design, produce and screen highly integrated MIC modules and subsystems for major defense OEMs.

Die are shipped at customer request in either conductive standard Gel-Paks or conductive standard Waffle-Paks. Tables 1 & 2 summarize tests Hittite Microwave will perform on die, packaged die, modules and subsystems for military and Hi-Rel commercial applications.



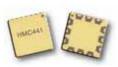
Military Screened Sub-Assembly Containing MIC Modules



Class B Die



COTS SMT Plastic Package



COTS SMT Hermetic Package



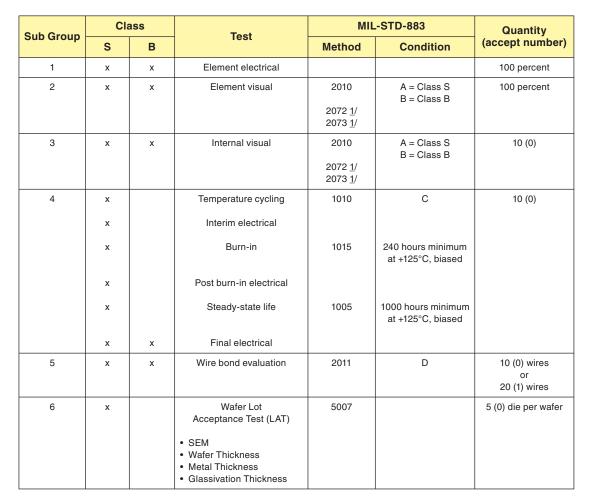
MIC Hybrids



Hermetic Connectorized Module

Screen	MIL-STD-883 Test Method and Condition
Electrostatic Discharge Sensitivity (ESD)	3015
2. Wafer Acceptance	Table 2 herein. Class-B element evaluation
3. Internal visual	2010, Test Condition B
4. Temperature cycling	1010, Test Condition C, 10 cycles minimum
5. Constant acceleration	2001, Test Condition A, Y1 orientation only
6. Serialization	In accordance with device specification
7. Interim (pre burn-in) electrical parameters	In accordance with device specification
8. Burn-in test	1015, 160 hours at +125 °C, biased
9. Interim (post burn-in) electrical parameters	In accordance with device specification
10. Final electrical test	In accordance with device specification
11. Seal a. Fine b. Gross	1014, Test Condition A & C
12. External visual	2009 and product outline specification

Table 1: Class B Packaged MMIC Die and MIC Sub-Assembly Screening Procedure to MIL-PRF-38534 and MIL-PRF-38535 as applicable.



1/ MIL-PRF-38534 methods

Table 2: Class S & B MMIC Die/Wafer Screening & Qualification Procedure