

Product Description	GaAs HBT, Linear Gain Block Amplifier, in an 8-pin 2x2mm DFN package		
Qualification #	10-QUAL-1470	Date Issued	01/27/2011

FOR IMPORTANT INFORMATION REGARDING THESE MATERIALS INCLUDING DISCLAIMERS REGARDING USE IN CERTAIN APPLICATIONS, SEE [STANDARD DISCLAIMER FOR PRODUCT DOCUMENTS](#)

Test Name	Test Standard and Conditions	# Samples x # Lots	Test Results	
High Temperature Operating Lifetime	JESD22-A108 125°C, 1000 hours	22 x 1 lot	Pass	
Temperature Humidity with Bias	JESD22-A101 85%RH / 85°C, 500 hours	77 x 1 lot	Pass	
ESD Human Body Model	JESD22-A114	3 x 1 lot	Pass 1000V	Class 1C
ESD Charge Device Model	JESD22-C101	3 x 1 lot	Pass 1000V	Class IV
Moisture Sensitivity Level 1	IPC/JEDEC J-STD-020, reflow @ 260°C	22 x 1 lot	Pass	
Temperature Cycling	JESD22-A104, 500 cycles Condition B (-55°C/+125°C), Soak Mode 2 (use MSL1 preconditioned parts)	22 x 1 lot	Pass	
Moisture Sensitivity Level 2	IPC/JEDEC J-STD-020, reflow @ 260°C	22 x 1 lot	Pass	
Temperature Cycling	JESD22-A104, 500 cycles Condition B (-55°C/+125°C), Soak Mode 2 (use MSL2 preconditioned parts)	22 x 1 lot	Pass	
Solderability	JESD22-B102, 8 hr steam aging	22 x 3 lots	Pass	
High Temperature Storage	JESD22-A103, 150°C	22 x 3 lots	Pass	
Wire bond shear (BS)	JESD22-B116, Ppk>1.66 or Cpk>1.33	10x 1 lot	Pass	
Bond strength	MIL-STD-883, M2011	10x 1 lot	Pass	
Die shear	MIL-STD-883, M2019	10x 1 lot	Pass	
Characterization	Data Sheet	2 x 3 lots	Pass	
Conclusion	This part meets RFMD's product qualification requirements.			

Sample size and lot quantities reported are the minimum required for this qualification.

For additional information please contact your RFMD Customer Quality Engineer