

Product Description	RFDA2077 Dual Channel Digitally Controlled Variable Gain Amplifier		
Package Type	Laminate Module, 7.0mmX7.0 mm, CX50	Process Technology	GaAs HBT, GaAs pHEMT, SI CMOS
Qualification #	10-QUAL-1412	Date Issued	01/12/2011

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 Life	JESD22-A108, 1000 hrs	22 x 3 lots	Pass		
Highly Accelerated Temperature and Humidity Stress	JESD22-A110 110°C, 85% RH ,Biased,264 hours Preconditioning per JESD22-A113 MSL 3	22 x 3 Lots	Pass		
ESD Human Body Model	JESD22-A114	3 x 1 Lot per Level	Pass 1000V, failed at 2000V, Class 1C		
ESD Charged-Device Model	JESD22-C101	3 x 1 Lot per Level	Pass 2000V, Class IV		
IC Latch-Up Test	JESD78 Class I : +25°C, Level A : ±100 mA	6 x 1 Lot	Pass		
Moisture Sensitivity Level	IPC/JEDEC J-STD-020	22 x 3 lots	Pass	MSL 3	260°C
Temperature Cycling	JESD22-A104, 500 cycles Condition G (-40°C/+125°C), Soak Mode 2	22 x 3 lots loose piece	Pass		
Temperature Cycling (On Board)	JESD22-A104 Condition G: -40°C to +125°C, 500 Cycles Soak Mode 2 : 5 min Dwell Preconditioning per JESD22-A113 MSL 3	22 x 3 Lots	Pass		
High Temperature Storage	JESD22-A103, 1000 hours Condition B (150°C)	22 x 3 lots	Pass		
Solderability	JESD22-B102 Condition A (1 hr steam aging)	22 x 3 lots	Pass		
Die Shear	PKG-21-1037	10 x 3 Lots per Die	Pass		
Ball Shear	PKG-21-1037	10 x 3 Lots per Die	Pass		
Bond Pull	PKG-21-1037	10 x 3 Lots per Die	Pass		

For additional information please contact your RFMD Customer Quality Engineer



Characterization	JESD86 -40°C to +85°C	2 x 3 lots	Pass
Conclusion	This product has passed the RFMD Qualification Requirements for production.		

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