



## MULTIPLIER TEST DATA SHEET

**Model Number** N11-2977      **DC Power:** +12.0 Volts  
**S/N:** 1001      @ 1224 mA,  
**Case Temp** +25°C      **Spec.** 1100 mA Typ.

Freq. In GHz	Freq. Out GHz	Power In dBm	Power Out dBm	Return Loss		Harmonics dBc
				In dB	Out	

### Specification

<b>Start</b> 10.0	40.0	<b>Min</b> +0.0	<b>Min</b> +20.0			
<b>Stop</b> 15.0	60.0			<b>Max</b> -9.54	<b>Max</b> -7.36	<b>Max</b> -20.0

### Data

10.0	40.0	+0.0	21.4	-30.5	-10.0	<-30
11.25	45.0	+0.0	22.1	-23.2	-19.8	↓
12.5	50.0	+0.0	21.7	-21.1	-16.5	
13.75	55.0	+0.0	21.0	-18.8	-25.1	
15.0	60.0	+0.0	20.8	-16.0	-23.4	

### Min/Max Data

<b>Min</b> 20.8	<b>Max</b> -16.0	<b>Max</b> -10.0	<b>Max</b> <-30
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**Tested By:** M. Kim      **Date:** 8-17-11      **QA By:** [Signature]      **Date:** 8/18/11