



# Test Data Sheet

**Model Number :** TA44APNE-09  
**Serial Number :** TA44A09LC1001  
**Model Name :** 25W C Band BUC

Parameter		Unit	Specifications	Measured Data
				TA44A09LC1001
<b>Input Characteristics</b>				
Frequency Range		MHz	950 ~ 1525	OK
Impedance	N Connector	Ohms	50	OK
Interface			N(f)	OK
<b>Output Characteristics</b>				
Frequency Range		GHz	5.85 ~ 6.425	OK
Output Power @ 1dB G.C.P ( All Temperature Minimum )	5.85GHz	dBm	>=44	45
	6.1375GHz			45.26
	6.425GHz			45.24
Interface			CPR137G	OK
<b>Transfer Characteristics</b>				
Frequency Sense			Non-inverted	OK
Linear Gain	Min.	dB	>69	72.73
	Max.	dB	<79	75.92
Gain Variation	Over 54 MHz	dB	1.5	1.45
	Over 500 MHz	dB	4.0	3.19
Over Operating Temperature		dB	4.0	3.31
Spurious	In Band	dBc	-60	-64.3
	Out of Band	dBc	-50	-53.8
Worst Case LO Leakage		dBc	-70	< -80
Phase Noise	100Hz	dBc/Hz	-60	-77.83
	1KHz		-70	-86.17
	10KHz		-80	-101
	100KHz		-90	-112.5
<b>Miscellaneous</b>				
Operating Voltage		VAC	85 ~ 265	85 ~ 265
Power Consumption		W	<= 220	OK
Start	All Temperatures	Pass / Fail		PASS
	Ext Ref Level	dBm	-5 ± +5	OK
Operating Temperature		degree C	-40 ~ +55	OK
Humidity		100% Condensing		OK
Internal Function		Lock Detector shuts off Tx		OK
Dimension		L x W x H mm	220 X 195 X 181	OK
Weight		Kg	6	OK