

S.No.4	Parameter	<p style="text-align: center;">Type 4</p> <p style="text-align: center;">EVAL Board for Type 4, (C-Band 10 watts packaged GaN MMIC HPA)</p>
1.	Input Frequency (Fin)	2-6GHz
2.	Small signal Gain	>26dB
3.	Saturated Output power	>+43dBm CW mode
4.	Output power at P3dB:	>+40dBm CW mode
5.	Gain at P3dB	> 22dB @ 4 GHz
6.	ThetaJC	< 1.5 °C/W
7.	Supply Voltage	28V
8.	Supply current	400 mA (typical) 4 Amp (with RF)
9.	Operating temperature:	-40°C to +60°C
10.	Harmonic suppression	better than -30dBc @ 4GHz
11.	EVAL BOARD SHOULD BE SUPPLIED WITH THESE REQUIREMENTS.	<p>a. Eval board should be a ready to test PCB with all components including MMIC amplifier mounted.</p> <p>b. Eval board should also have already mounted RF in and out connectors and provision to connect DC supply to the MMIC.</p> <p>c. Eval board must accompany with test results and test procedure.</p> <p>d. Manufacturer should provide layout details and assembly drawing of the eval board.</p> <p>e. Manufacturer should also provide PCB substrate material details and bill of material of this eval board.</p> <p>f. Measured S-parameters of the MMIC amplifier.</p>