

X-Band 100W SSPA



S. No	Parameters	Specifications
1	Frequency	9.0-9.8GHz
2	RF I/P Power	0dBm $\pm$ 2dB
3	RF Output Power	100W(min)
4	Pulse Width	1-75 μ s
5	Duty Cycle	10%(Max)
6	Pulse Droop	0.8dB
7	Phase Noise Degradation	$\leq$ 5dB
8	Raise Time	$\leq$ 50 nsec
9	Fall Time	$\leq$ 50 nsec
10	Transmitter Trigger Pulse	Differential RS422
11	Spurious	-55dBc
12	Harmonics	-45dBc
13	Output VSWR	2:1
14	Input VSWR	1.5:1
15	Protection Against Fault	Excess Temperature, Poor VSWR, Excess Pulse Width
16	Power Supply	28V

