

Features

- Wide Band operation 1-23GHz
- Active, High Isolation Limiter
- Low Insertion Loss and Good Return Loss
- High Power Handle Capability up to 1W
- Customization available upon request



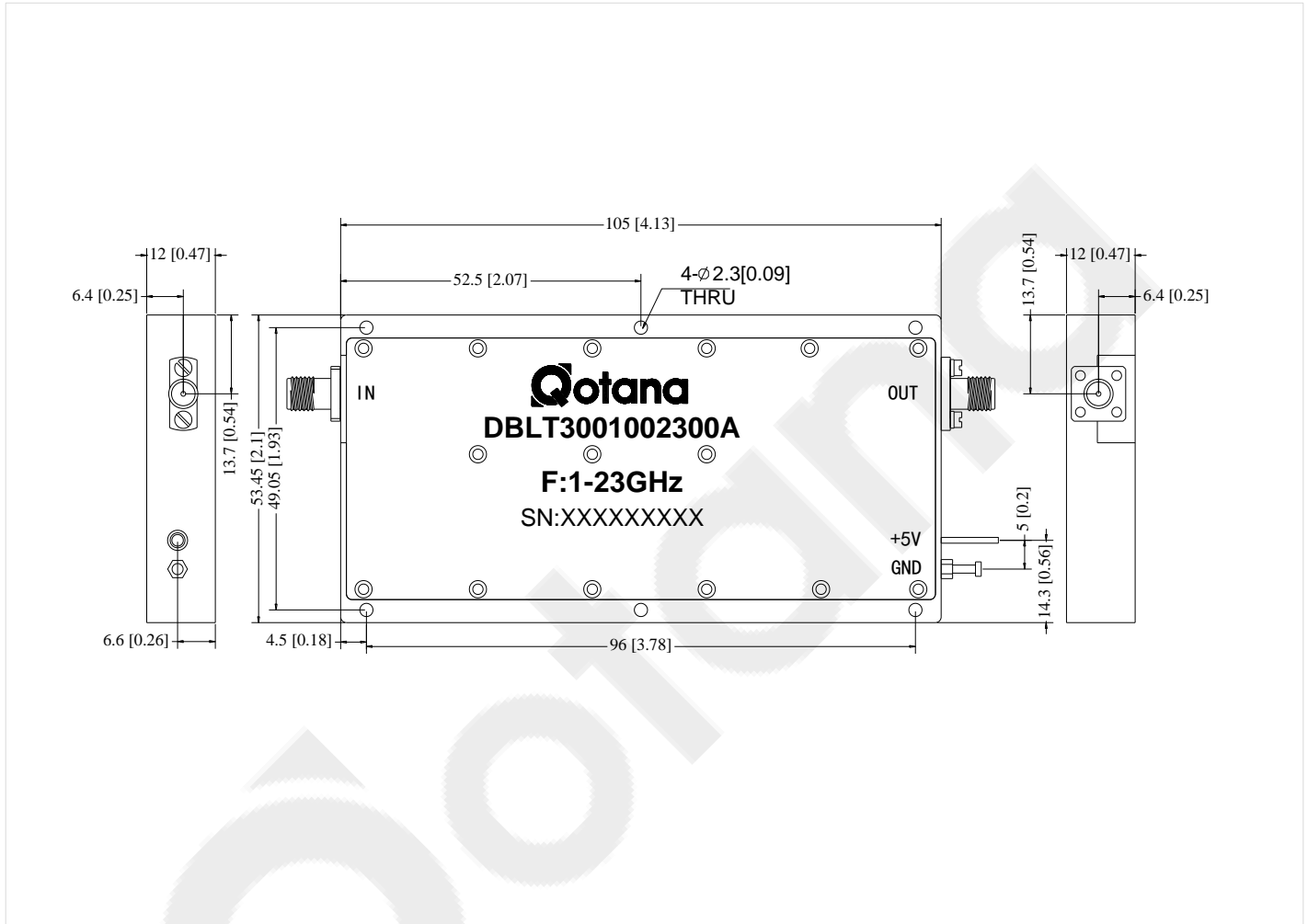
Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	1 - 10		10 - 23				GHz
CW Input Power			1			1	W
Peak Power(<10% <2us)			2			2	W
Insertion Loss		2.0	2.5		4.0	4.5	dB
VSWR		1.5	1.8		1.5	2	: 1
Flat Leakage @ Pin ≤ 30 dBm		-17	-15		-10	-9	dBm
Peak Power Leakage at Pin≤33 dBm (<10% , < 2us)		-12	-11		-6	-5	dBm
Supply Current (Vcc = +5V)		260	300		260	300	mA
Weight	5.29						ounces
Input / Output Connectors	SMA-Female						
Material	Aluminum						
Finishing	Nickel Plating						

Environmental Specifications

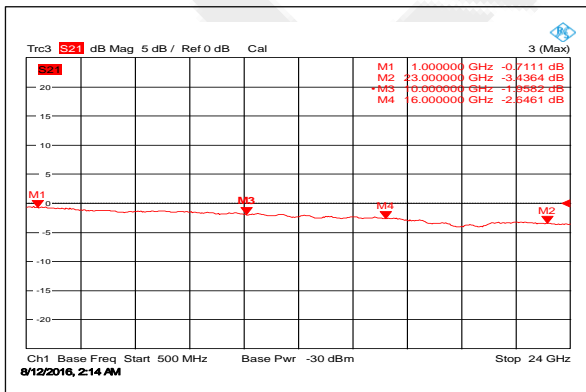
Operational Temperature (°C)	-45 to +85
Storage Temperature (°C)	-55 to +125
Altitude	35,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

Outline Drawing:

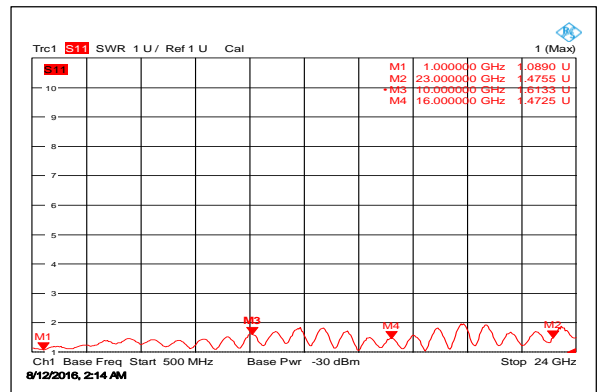
All Dimensions in mm (inches) Tolerance ± 0.2 (0.008)



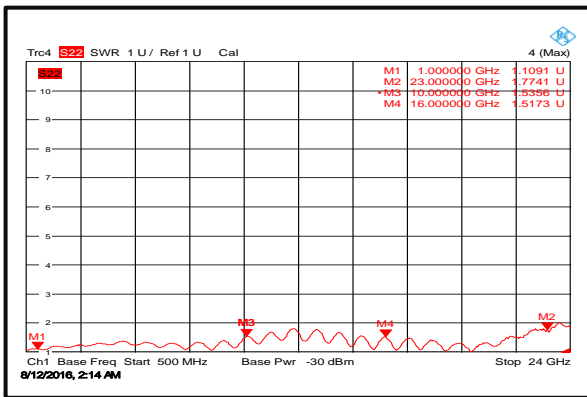
Insertion Loss



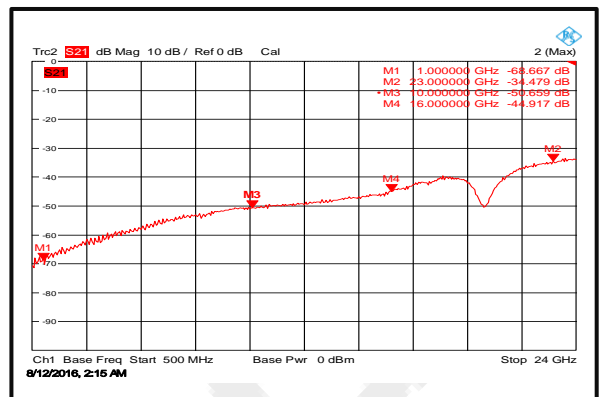
Input VSWR



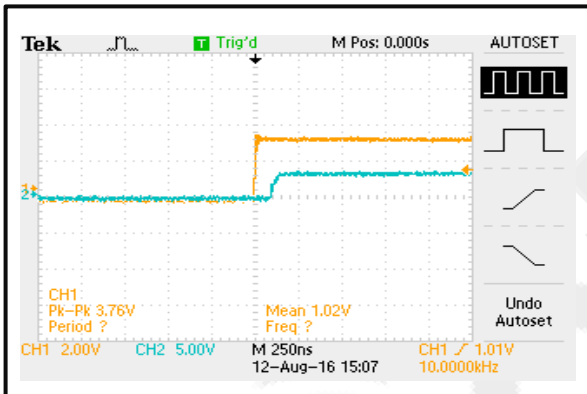
Output VSWR



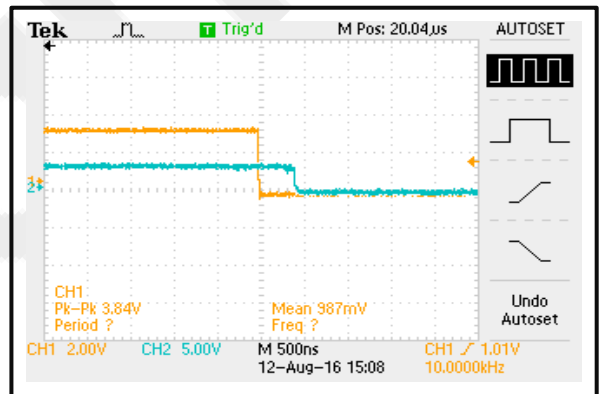
Isolation



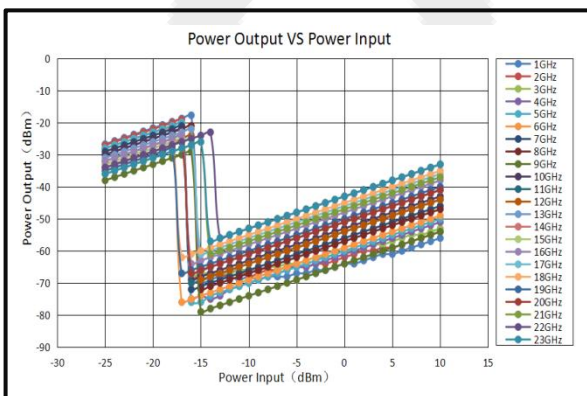
Limiting Speed



Recovery time



Flat Leakage



QOTANA TECHNOLOGIES and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. Visit www.qotana.com for additional data sheets and product information.