

RF-LAMBDA

THE LEADER OF RF BROADBAND SOLUTIONS

ITAR & ISO9000
Registered Manufacture



PIN DIODE, GaAs AND GaN CONTROL PRODUCTS

SWITCH IN PIN DIODE, GaAs AND GaN TECHNOLOGY UP TO 67GHz



PN: RFSP4TA5M43G
FULL BAND 0.05-43.5GHz SP4T
SWITCH 50NS SPEED



PN: RFSP2TRDC18G
HIGH POWER 10W DC-18GHz HOT
SWITCHABLE SP2T SWITCH



PN: RFSP2TR5M06G
HIGH POWER 100W DC-6GHz HOT
SWITCHABLE SP2T SWITCH



PN: RFSP8TA0018G
HIGH IP3 50DBM 0.02-18GHz
SP8T PIN DIODE SWITCH



PN: RFPST1826N6
DIGITAL CONTROL PHASE SHIFTER 360
DEGREE 64 STEP 18-26GHz

DIGITAL AND VOLTAGE CONTROL PHASE SHIFTER UP TO 40GHz



PN: RFPST0618N6
DIGITAL CONTROL PHASE SHIFTER
360 DEGREE 64 STEP 6-18GHz



PN: RVPT0818GBC
VOLTAGE CONTROL PHASE
SHIFTER 360 DEGREE 8-18GHz



PN: RVPT0408GBC
VOLTAGE CONTROL PHASE
SHIFTER 360 DEGREE 4-8GHz

DIGITAL AND VOLTAGE CONTROL ATTENUATOR UP TO 50GHz



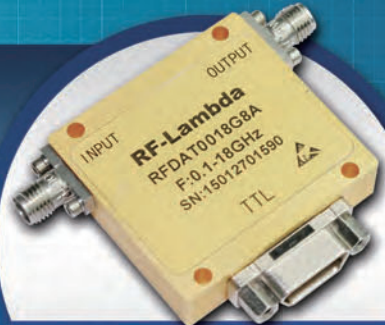
PN: RFDAT0040G5A
DIGITAL STEP ATTENUATOR
0.1-40GHz 5 BITS 31DB



PN: RFVAT0218A30
VOLTAGE CONTROL ATTENUATOR
2-18GHz 30DB IP3 50DBM



PN: RFVAT0050A17V
VOLTAGE CONTROL ATTENUATOR
0.01-50GHz 17DB



PN: RFDAT0018G8A
DIGITAL STEP ATTENUATOR 0.1-18GHz
8 BITS 128DB IP3 50DBM

www.rflambda.com
sales@rflambda.com

1-888-976-8880
1-972-767-5998

Plano, TX, US
San Diego, CA, US
Ottawa, ONT, Canada



RF SIGNAL GENERATOR

ULTRA LOW PHASE NOISE SERIES

USB CONTROL



RSGLP0120GA - 0.039-22GHZ

The RSGLP0120GA is an easy to use high frequency signal generator controlled through a standard USB port. Using advanced VCO and DDS based technology along with a temperature compensated crystal reference, it offers ultra-low phase noise ($-105\text{dBc}/\text{Hz}$ to $-150\text{dBc}/\text{Hz}$ at 100KHz offset) and high frequency resolution. The unit can also be locked to an external 10MHz reference source.



RSGLP0120GA

SPECIFICATIONS

- Output Frequency Range : 0.039 ~ 22.0GHz
- Output Power Range : -40dBm to +5dBm
- Frequency Stability : +/-0.5ppm with internal reference
- Frequency Step Tuning Speed : <math><100\text{us}</math>
- Tuning Step : 0.001Hz
- Phase Noise @10KHz offset -116dBc/Hz (@10GHz Output Frequency)
- Control Interface : USB





RF-LAMBDA

THE LEADER OF RF BROADBAND SOLUTIONS

RF-Lambda EMC Solid State Power Amplifier Systems

Covering frequencies up to 60GHz with up to 400W



RAMP00M65GA
DC-65GHz up to 5W



REMC27G34GB
27-34GHz up to 150W
6-18GHz up to 300W



RAMP39G48GA
39-48GHz up to 20W

For more information please contact sales@rflambda.com

RF-LAMBDA

THE LEADER OF RF BROADBAND SOLUTIONS



Made in USA

BENCHTOP AC POWERED BROADBAND RF AMPLIFIERS (0.02 - 70GHz)



RAMP39G48GA

PART NUMBER	FREQ (GHz)	GAIN (dB)	P1dB (dBm)	NF (dB)
RAMP00G06GA	0.02-6.0	45.00	45.00	5.00
RAMP01M22GA	0.1-22	37.00	37.00	5.00
RAMP01G22GA	1.0-22	38.00	38.00	5.00
RAMP27G34GA	27.5-34	38.00	38.00	5.00
RAMP32G38GA	32-38	35.00	35.00	7.00
RAMP28G42GA	28-42	33.00	33.00	5.00
RAMP00M45GA	0.01-45	34.00	22.00	3.00
RAMP39G48GA	39-48	35.00	33.00	5.00
RAMP00M50GA	0.01-50	33.00	22.00	4.00
RAMP00M65GA	0.01-65	30.00	20.00	3.00
RAMP50G69GA	50-69	38.00	16.00	4.00



RFLUPA08G11GA



RAMP00M50GA

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Frankfurt, Germany



RF-LAMBDA
THE POWER BEYOND EXPECTATIONS



ITAR & ISO9001
Registered Manufacturer
Made in USA

LEADING GaN AMPLIFIER & SWITCH SOLUTIONS

- Low Noise Amplifier
- GaN Power Amplifier
- RF GaN PIN Switch
- PIN Attenuator Phase Shifter



0.1-18GHz Digital Attenuator

Switch 0.5-18GHz

0.01-50GHz Amplifier

TX/RX/LO Module 40GHz

Solutions to **120GHz** Millions
IN STOCK!

- Ultra Wide Band 98%
- High Power Handling
- Low Noise Figure
- Fast Switching Speed
- High Isolation
- Wire Bond Technology



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LEADER OF RF BROADBAND SOLUTIONS

ULTRA BROADBAND LOW NOISE AMPLIFIERS



R50G69GSC
(50-69GHz LNA)



RLNA00M50GA
(0.01-50GHz LNA)

ULTRA BROADBAND POWER AMPLIFIERS



RFLUPA01G22GA
(1-22GHz 8W)



RFLUPA0618GC
(6-18GHz 25W)



RFLUPA32G38GB
(32-38GHz 10W)



RFLUPA0706GF
(0.7-6.0GHz 35W)

BROADBAND RF SYSTEM AC AMPLIFIERS



RAMP27G34GA
(27-34GHz 10W)



RAMP02G06GB
(2-6GHz 50W)

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RF-LAMBDA

THE LEADER OF RF BROADBAND SOLUTIONS



BROADBAND SSPA / EMC BENCHTOP SOLID STATE POWER AMPLIFIER

0.1-22GHZ
ULTRA BROADBAND SSPA

RFLUPA01M22GA
4W 0.1-22GHZ



RFLUPA0218GB
20W 1-19GHZ



0.1-6GHZ VHZ,
UHF, L, S, C BAND

RFLUPA02G06GC
100W 2-6GHZ



RFLUPA0706CD
30W 0.7-6GHZ

300W 6-18GHZ SOLID STATE BROADBAND



400W 8-11GHZ
SOLID STATE BROADBAND

**MADE IN
USA**

6-18GHZ C, X, KU BAND



RFLUPA0618GD
60W 6-18GHZ



RFLUPA08G11GA
50W 8-11GHZ

RFLUPA06G12GB
25W 6-12GHZ

18-50GHZ K, KA, V BAND



RFLUPA18G47GC
2W 18-47GHZ



RFLUPA27G34GB
15W 27-34GHZ



RFLUPA47G53GA2
10W 47-53GHZ



RFLUPA27G34GB
30W 18-40GHZ

BENCHTOP RF MICROWAVE SYSTEM POWER AMPLIFIER



RAMP00G06GA - 30W 0.01-6GHZ



RAMP39C48GA - 4W 39-48GHZ



RAMP01G22GA - 8W 1-22GHZ



RAMP27G34GA - 8W 27-34GHZ

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RF-LAMBDA

THE LEADER OF RF BROADBAND SOLUTIONS

EUROPE

DEUTSCHLAND



RF SWITCHES

MM / MICROWAVE DC-90GHz

RF-LAMBDA EUROPE

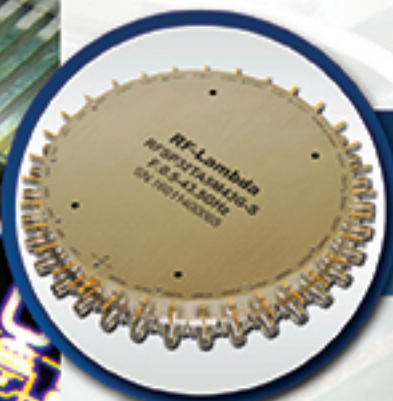


160 CHANNELS
mm/Microwave

0.05-20GHz

Filter Bank Switch Matrix

For Phase Array Radar Application Satellite communication.

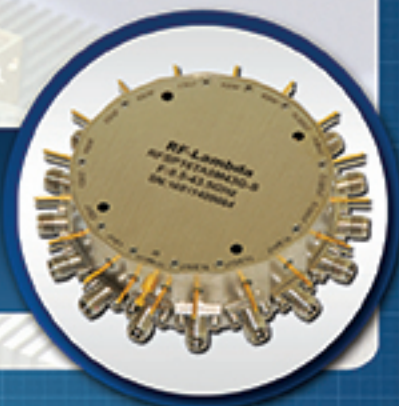


PN: RFSP32TA5M43G

SP32T SWITCH 0.5-43.5GHz

PN: RFSP16TA5M43G

SP16T SWITCH 0.5-43.5GHz



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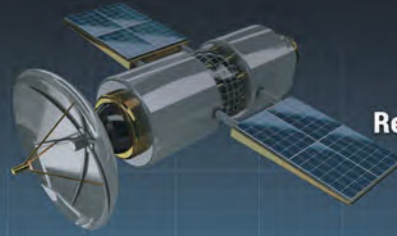
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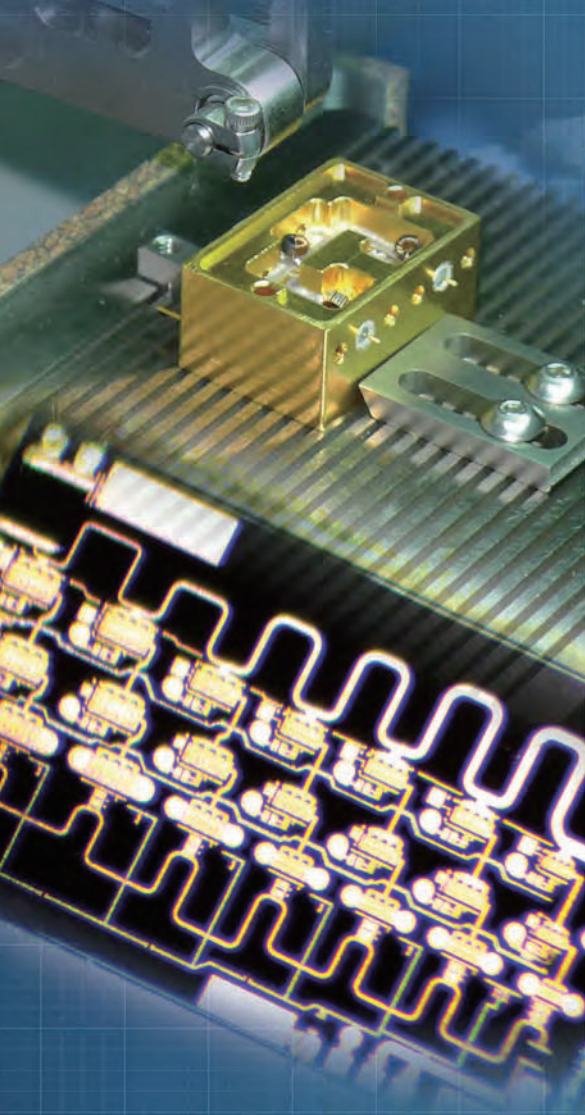
RF T/R MODULE UP TO 70GHz DREAM? WE REALIZED IT

LOW LOSS **NO MORE CONNECTOR**
GaN, GaAs SiGe **DIE BASED BONDING**
SIZE AND **WEIGHT REDUCTION 90%**

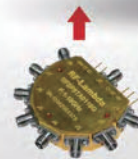
HERMETICALLY SEALED
AIRBORNE APPLICATION



SATCOM TR MODULE RX 50GHz TX 22GHz



TX/RX MODULE Connectorized Solution



RF Switch 67GHz
RFSP8TA series



RF Filter Bank

RF RECEIVER

RF TRANSMITTER

DC-67GHz
RF Limiter



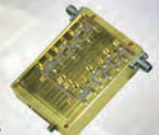
0.01- 22G 8W PA
PN: RFLUPA01G22GA



0.05-50GHz LNA
PN: RLNA00M50GA



0.1-40GHz
Digital Phase Shifter
Attenuator
PN: RFDAT0040G5A



LO SECTION

Oscillator



RF Mixer



RF Mixer

OUTPUT

INPUT

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