

Performance

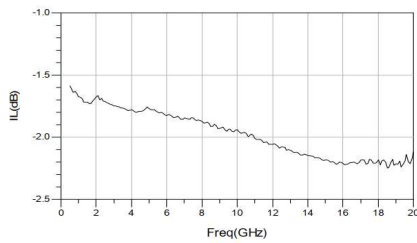
- Frequency: DC-20GHz
- Insertion loss: 2dB
- Isolation: 40dB
- ON/OFF VSWR: 1.4/1.3
- Chip size: 2.0*1.0*0.1mm

Electrical Specifications (Ta=+25°C, 0/-5V control, 50Ω system)

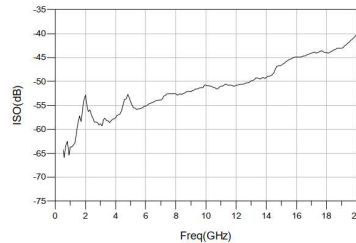
Parameter	Min	Typical	Max	Unit
Frequency Range	DC-20			GHz
Insertion Loss	-	2	2.4	dB
Isolation	-	40	-	dB
VSWR (ON)	-	1.4	1.5	-
VSWR (OFF)	-	1.3	1.5	-
Switch time	-	-	10	ns

Test Curves

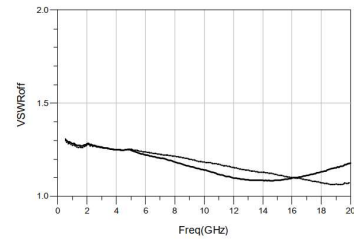
Insertion loss vs. Freq



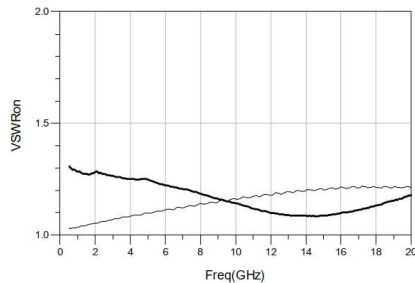
Isolation vs. Freq



VSWR (ON) vs. Freq



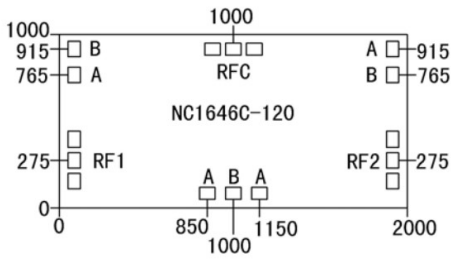
VSWR (OFF) vs. Freq



Truth Value

A	B	RFC- RF1	RFC- RF2
0	-5	ON	OFF
-5	0	OFF	ON

Outline Size



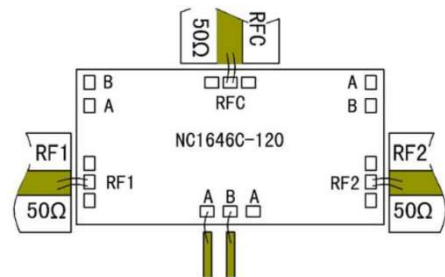
Note:

1. Unit: μm
2. Bottom side is gold plated
3. Bottom side is GND
4. Bonding pads is gold plated, size: $70 \times 90 \mu\text{m}$
5. Don't bonding on thru holds
6. Tolerance: $\pm 50 \mu\text{m}$

Absolute Max Ratings

Max Input Power	+30dBm
Control voltage range	-8V ~ +0.5V
Storage Temperature	-65 ~ +150°C
Operating Temperature	-55 ~ +125°C

Note: For high power application, assemble with Eutectic sintering.



ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS