

# RFcore 4 W amplifiers for Jamming System

- **Size 65x55x20mm<sup>3</sup>**
- 800MHz 4 W amplifier **RCA0800H36A**
- 900MHz 4 W amplifier **RCA0900H36A**
- 1800MHz 4 W amplifier **RCA1800H36A**
- 1900MHz 4 W amplifier **RCA1900H36A**
- 2100MHz 4 W amplifier **RCA2100H36A**
  
- 800MHz-1000MHz 4 W amplifier **RCA08-10H36A**
- 1800MHz-2000MHz 4 W amplifier **RCA18-20H36A**

## RCA0800H36A

Item	Specification	Remark
Frequency Range	869 ~ 894 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	$28 \pm 1$ dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA0900H36A

Item	Specification	Remark
Frequency Range	925 ~ 960 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	$28 \pm 1$ dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA1800H36A

Item	Specification	Remark
Frequency Range	1805 ~ 1880 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	28 ± 1 dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	-20℃ ~ +60℃	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA1900H36A

Item	Specification	Remark
Frequency Range	1930 ~ 1990 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	28 ± 1 dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	-20℃ ~ +60℃	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA2100H36A

Item	Specification	Remark
Frequency Range	2110 ~ 2170 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	$28 \pm 1$ dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA08-10H36A

Item	Specification	Remark
Frequency Range	800 ~ 1000 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	$28 \pm 1$ dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mA Max.)	
	3. DC +28V (600mA Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

## RCA18-20H36A

Item	Specification	Remark
Frequency Range	1800 ~ 2000 MHz	
Power Output (Average)	Psat 36 dBm (CW)	
Gain	$28 \pm 1$ dB	
Gain Flatness	Peak to Peak 2dB	Over Freq Band
In VSWR	Less than 1.5:1	
DC Current	600mA max	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mA Max.)	
	3. DC +28V (600mA Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	



# RFcore 2 W amplifiers for Jamming System

- **Size 65x55x20mm<sup>3</sup>**
- 20~500MHz 2 W amplifier      **RCA00210H33A**

## RCA00205H33A

Item	Specification	Remark
Frequency Range	20~500 MHz	
Power Output (Average)	Psat 33 dBm (CW)	
Gain	$27 \pm 1$ dB	
Gain Flatness	Peak to Peak 2 dB	Over Freq Band
In VSWR	Less than 2.0:1	
DC Current	600mA max@Output Pow 33dBm	IDQ(+27V) : 70mA Typ
SIZE (W *D*H mm)	65 * 55 * 20 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (Molex 5268 6Pin)	1. GND	
	2. DC +5V (200mV Max.)	
	3. DC +28V (600mV Max.)	
	4. Enable(Open or High(DC +5V))	pulled-up with 10 kohm
	5. Reflection Power Detection	
	6. Forward Power Detection	

# Mechanical Drawing

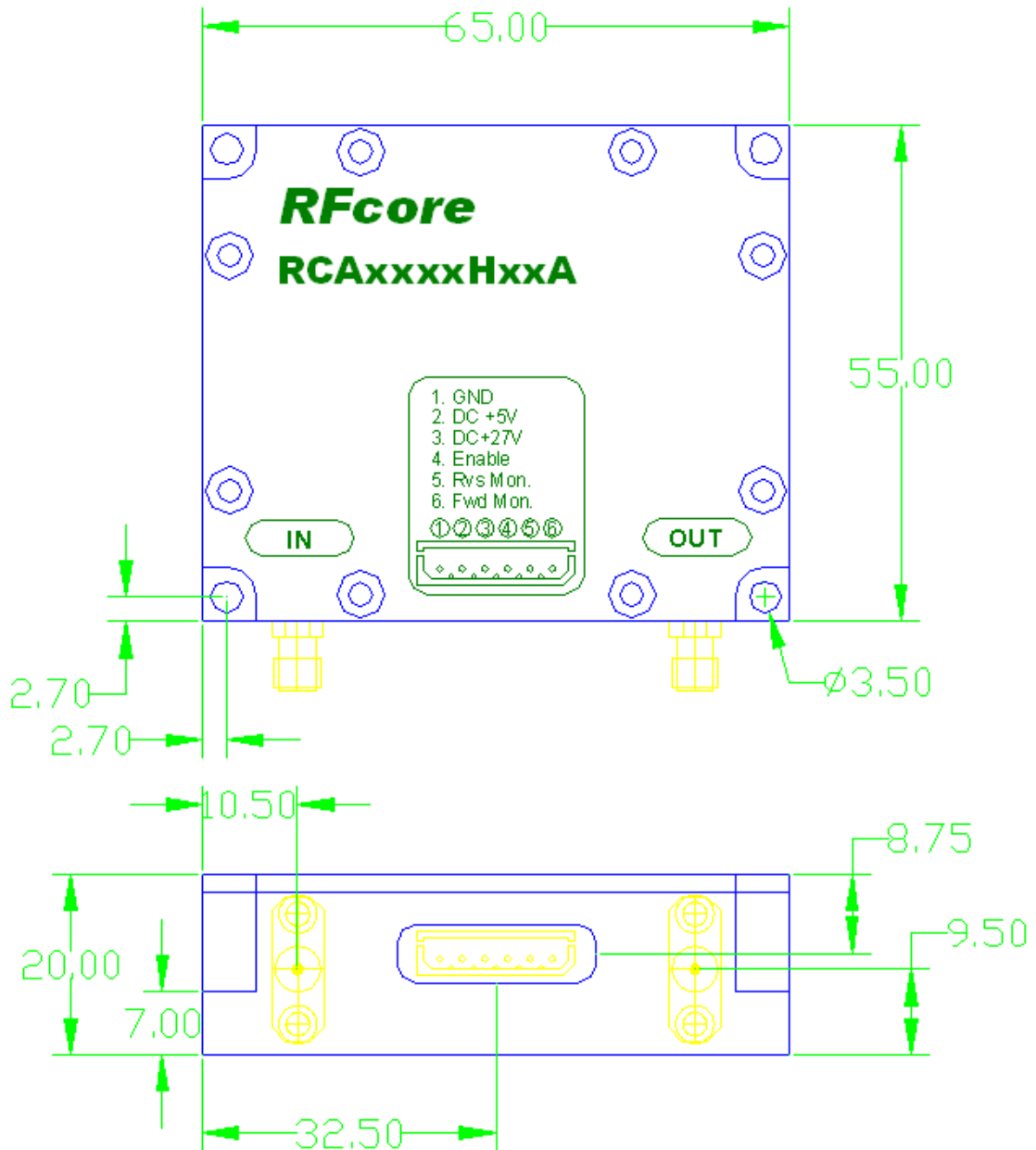
Model

(WXDXH) : 65(W) \* 55(D) \* 20(H)mm

RCA0800H36A  
RCA0900H36A  
RCA1800H36A  
RCA1900H36A  
RCA2100H36A

RCA08-10H36A  
RCA18-20H36A

RCA00250H33A



# Mechanical Drawing

(WXDXH) : 65(W) \* 55(D) \* 20(H)mm

905-110-36-A  
1850-100-36-A  
2150-100-36-A  
1950-100-36-A  
1900-200-36-A

260-480-33-A

