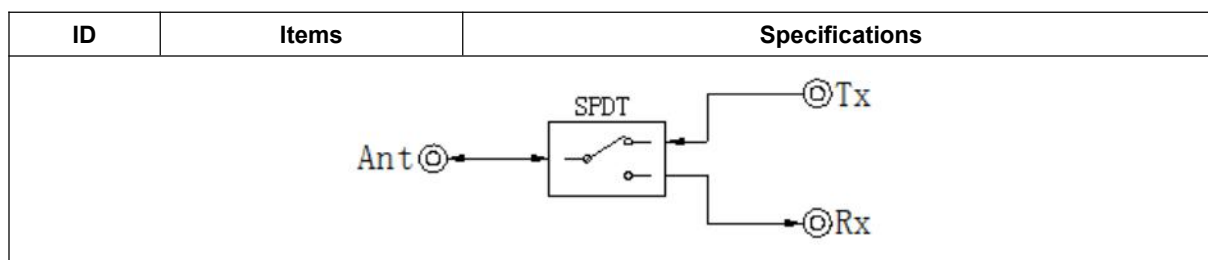


# HX12KG2671G High-Power SPDT Switch

## 1. Functional Diagram



## 2. Description

ID	Items	Specifications
2-1	Type	Reflective High-Power SPDT Switch
2-2	Frequency Range	30~500MHz
2-3	Isolation	≥70dB
2-4	Insertion Loss	≤0.3dB@30~100MHz ≤0.35dB@100~500MHz
2-5	VSWR	≤1.4
2-6	Impedance	50Ω
2-7	RF Input Power	500W Pulsed or 300W CW
2-8	Switching Speed	≤5μs
2-9	Second Harmonic	≥50dBc
2-10	Input/Output Connectors	SMA-F
2-11	Control Connectors	Glass Bead
2-12	Control	TTL=0 ~ 0.8V/3.3 ~ 5V
2-13	DC Power Supply	12~28V/≤150mA

## 3. Environmental Specifications

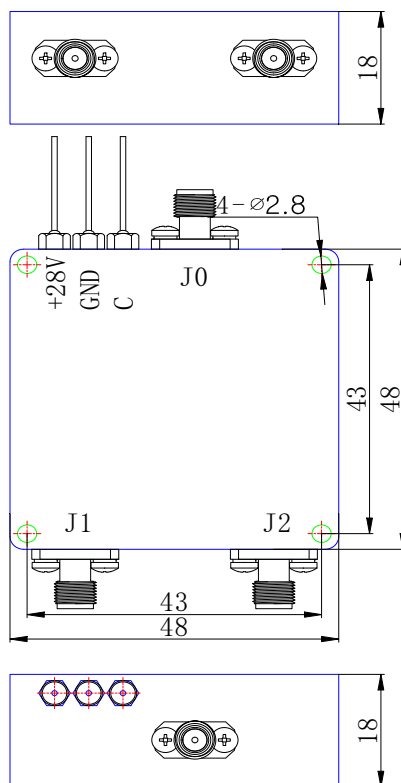
ID	Items	Specifications
3-1	Operational Temperature	-40°C~+70°C
3-2	Storage Temperature	-55°C~+85°C

## 4. Truth Table

ID	TTL	Signal Path State
4-1	0	J0→J1
	1	J0→J2

## 5. Outline Drawing

ID	Items	Specifications
5-1	Outline Drawing	Unit: mm
Tolerances:±0.1mm		



5-2	Material	Aluminum
5-3	Finish	Nickel Plated
5-4	Weight	/

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.