

Features

- Frequency: 5100~5300MHz
- Insertion Loss: ≤0.8dB
- High power:50W
- ISO: ≥50dB
- VSWR: ≤1.3
- Size: 34mmx22mmx10mm

Typical Applications

- Radar and ECM
- RF/ Microwave radio
- Military and Space
- Test and Measurement

General Description

SAC1139 is a 50Ω reflective solid state RF switch module which operates on 5100~5300MHz. It is a general purpose C-broadband reflective GaAs SPDT switch in module.

Its fast switching and compact size make this SPDT ideal for many critical applications.

Electrical Performance ($T_A=25^{\circ}\text{C}$, $Z_0=50\Omega$)

Parameter		Min.	Typ.	Max.	Units
Frequency Range		5100~5300			MHz
Insertion Loss		—	—	0.8	dB
ΔLi (balance)		—	—	0.1	dB
Isolation		-50	—	—	dB
VSWR		—	—	1.3	:1
Switching Speed		—	—	1	ns
Power Supply	+5V	—	—	100	mA
	-12V	—	—	20	mA
Weight		—	—	50	g
RF Interface & DC Control Interface		—	$\Phi 0.5\text{PIN}$	—	mm

Absolute Maximum Ratings

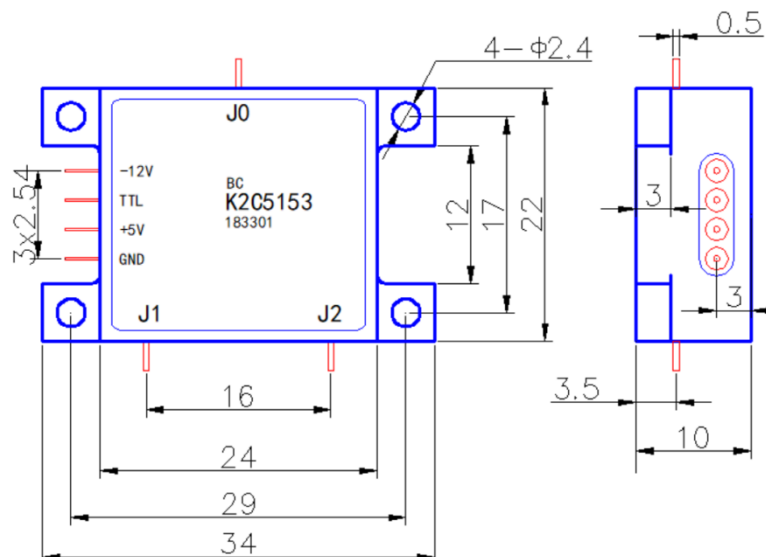
Maximum Peak Power	50W	Operating Temperature	-55°C~+85°C
Maximum CW Power	30W	Storage Temperature	-55°C~+95°C

Truth Table

Control Code: 1bit TTL

TTL	0	1	Nc
Signal ON	J0-J2	J0-J1	J0-J1

Outline (All dimensions in mm)



Attention:

1. The product must be grounded well;
2. $P_{cw} \leq 30W$;
3. DC control must precedence