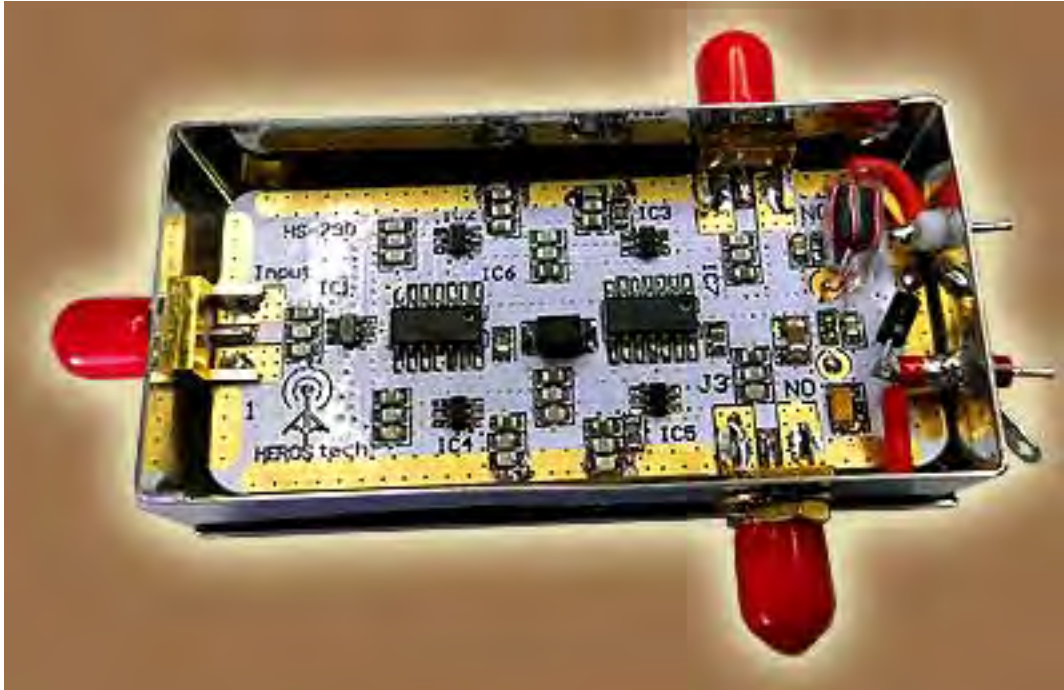


DC-3GHz Solid State RF Relay

No Relays, No moving parts

Form C. SPDT Absorptive configuration

User manual. Rev 03
(January 2021)



General purpose SPDT solid state RF switch, no relays, no moving parts, for telecommunication and signal applications.

Our solid state RF switch do not incorporate relays or any moving parts instead it uses GaAs pHEMT technology switching cells.

Applications:

- General-purpose medium-power switching in telecommunication applications.
- Switching on 802.11b, g WLAN and Bluetooth systems.

Operating Frequency: DC - 3GHz

Switch Configuration: Form C, SPDT Absorptive.

Insertion loss type: 0.3dB @1GHz. ; 0.4dB @3GHz.

RF1-RF2 port Isolation: >100dB

VSWR: 1.2 max.

IP3: 52dBm type

RF power rating absolute max. @ 5VDC:

3 watt(+35dBm) all operating range; 6W(38dBm) @900MHz

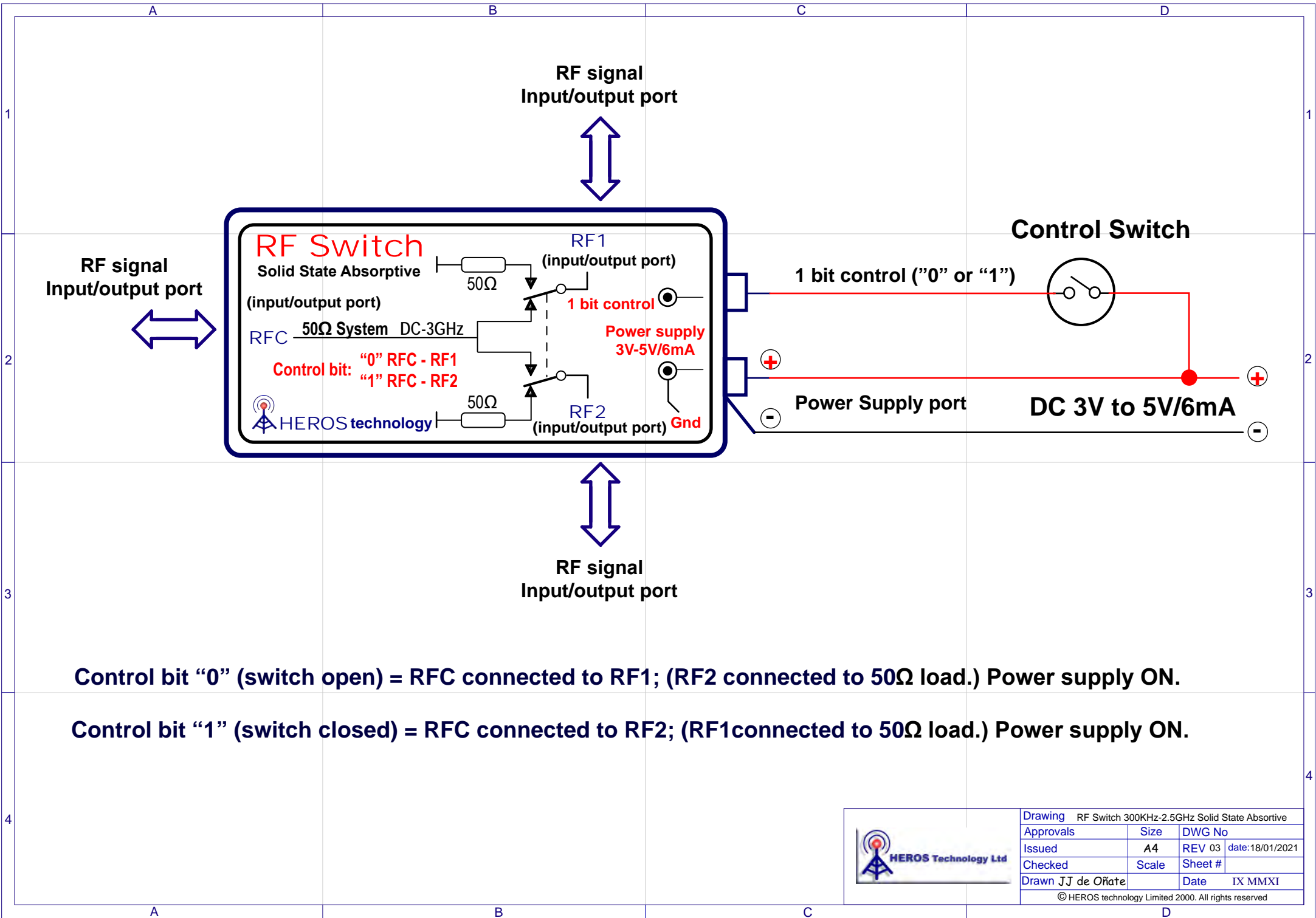
Control switching: 1 bit; "0" RFC-RF1; "1" RFC-RF2

Switching time (ON-OFF): 35nS.

Power supply: 3V-5VDC/6mA

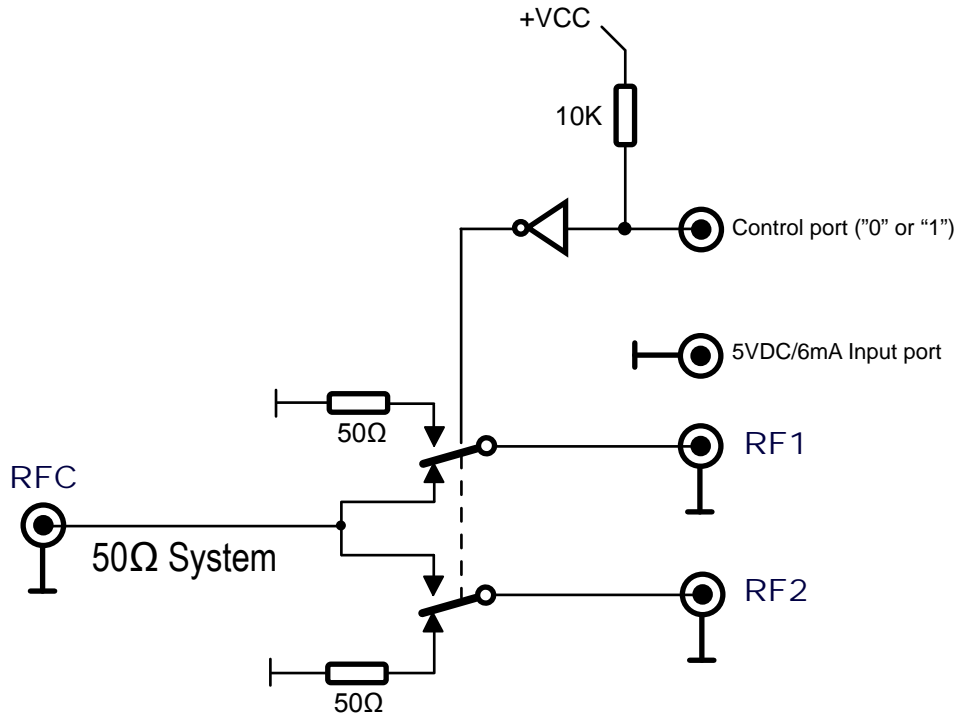
Connectors: SMA

Dimensions: 74x37x20mm(2.91x1.45x0.78in)

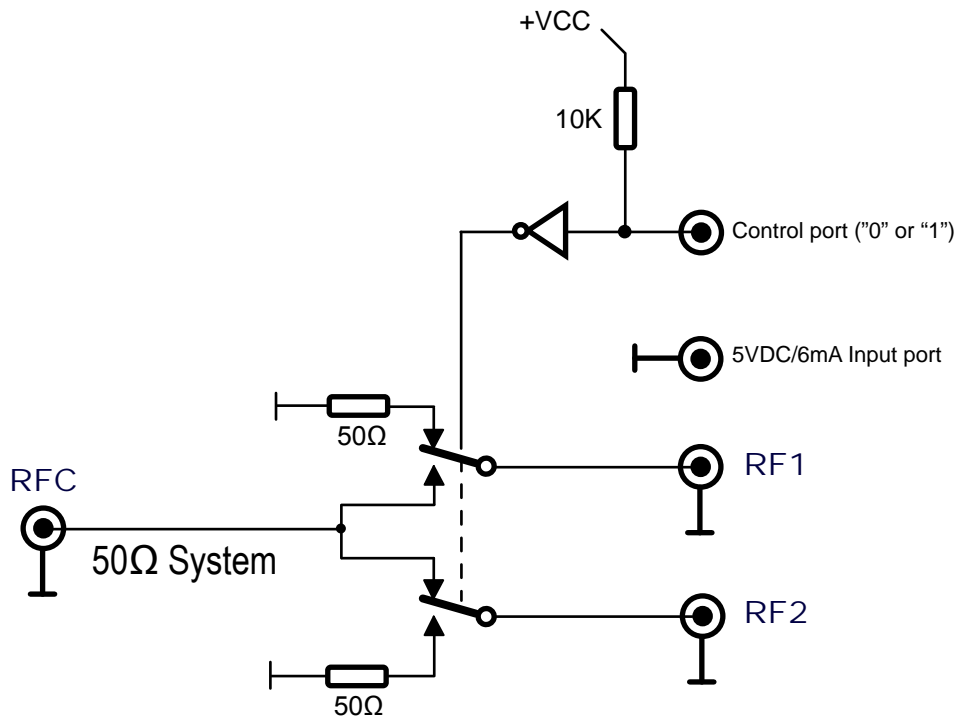


Drawing RF Switch 300KHz-2.5GHz Solid State Absorptive			
Approvals	Size	DWG No	
Issued	A4	REV 03	date:18/01/2021
Checked	Scale	Sheet #	
Drawn JJ de Oñate	Date	IX MMXI	
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Solid State RF Switch. Control bit diagram



Control port "0"= RFC connected to RF1; RF2 connected to 50Ω load.



Control port "1"= RFC connected to RF2; RF1 connected to 50Ω load.

NOTES:

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It is your responsibility to ensure that your application meets with your specifications.

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