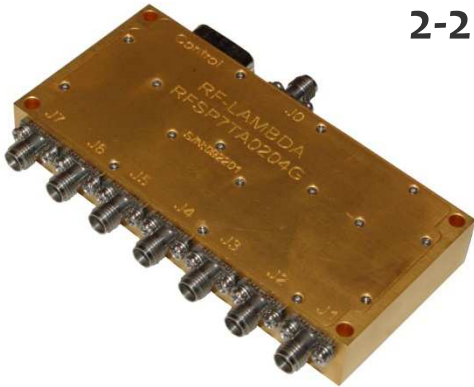




Absorptive and Reflective 2-20GHz Coaxial SP7T



Features

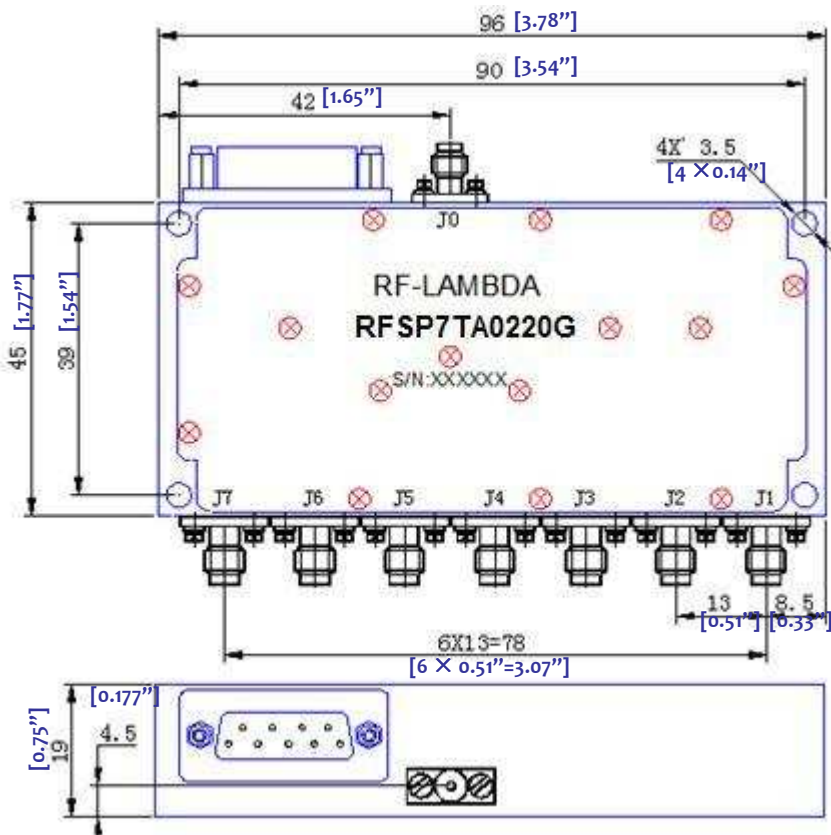
- Wide Band Operation 2-20GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -40°C~+85°C
- Customization available upon request

Absorptive SP7T- Single Pole Seven Throw

| Part Number | Frequency (GHz) | Insert. Loss (dB) | VSWR (Max:1) | Isolation min (dB) | Power (Watts) | Switching Speed (ns) |
|--------------|-----------------|-------------------|--------------|--------------------|---------------|----------------------|
| RFSP7TA0220G | 2-20 | 4.4 | 2.2 | 60 | 0.2~1 | 50-100 |

Reflective SP7T- Single Pole Seven Throw

| Part Number | Frequency (GHz) | Insert. Loss (dB) | VSWR (Max:1) | Isolation min (dB) | Power (Watts) | Switching Speed (ns) |
|--------------|-----------------|-------------------|--------------|--------------------|---------------|----------------------|
| RFSP7TR0220G | 2-20 | 3.5 | 2.2 | 60 | 0.5~5W | 100~500 |



| | |
|----------------|-------|
| Control Signal | ON |
| C3 C2 C1: 000 | J0-J1 |
| C3 C2 C1: 001 | J0-J2 |
| C3 C2 C1: 010 | J0-J3 |
| C3 C2 C1: 011 | J0-J4 |
| C3 C2 C1: 100 | J0-J5 |
| C3 C2 C1: 101 | J0-J6 |
| C3 C2 C1: 110 | J0-J7 |
| C3 C2 C1: 111 | N/A |

Note: Contact RF-Lambda for faster switching speed, higher power handle, higher isolation

1.Higher power handle capability will give lower isolation , higher biasing current and slower switching speed.

2.Narrower frequency band will improve insertion loss and isolation.

3.Biasing: -5V(Max, 70mA Typical 30mA)
+5V(Max, 350mA Typical 250mA)

| | | | | | | | |
|------|-----|-----|-----|----|----|----|-----|
| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7-9 |
| Fun. | +5V | -5V | GND | C1 | C2 | C3 | N/A |