

Feed Selector

Mechanical SP4T for Feed Selector

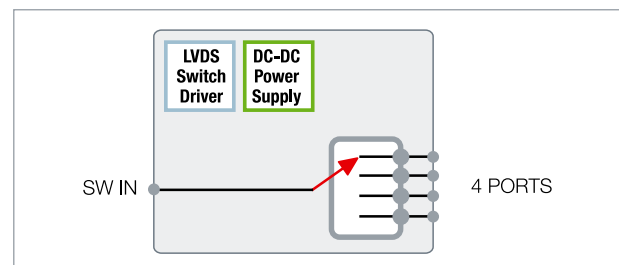


Feed Selector coaxial switches are designed to be placed on a feed carousel to facilitate the toggle between different frequency bands of antennas, such as in Compact Range systems. These RF units offer either manual or automatic control.

Main features

- Frequency range: DC-40 GHz
- Low Loss, 1.2 dB max per switch
- Switching time of 10 ms maximum
- Power handling of 80 W minimum
- Life cycle of 2 million toggles
- Manual or remote control

Functional Block Diagram



Specifications

EXAMPLE MODEL	OFR-SP4T26FEEDSEL-1	OFR-SP4T40FEEDSEL-1
Type	Mechanical SP4T switch, DC-26.5 GHz	Mechanical SP4T switch, DC-40 GHz
Operation Frequencies	DC-26.5 GHz	DC-40 GHz
Switching Time	10 ms	10 ms
Unit Insertion Loss	1 dB typical	1.2 dB typical
Power Handling	80 W max	80 W max
Switch Isolation	<ul style="list-style-type: none"> • 70 dB min (DC-6 GHz) • 60 dB min (6-18 GHz) • 55 dB min (18-26.5 GHz) 	<ul style="list-style-type: none"> • 70 dB min (DC-6 GHz) • 60 dB min (6-18 GHz) • 45 dB min (26.5-40 GHz) • 50 dB min (26.5-40 GHz)
VSWR	<ul style="list-style-type: none"> • 1.3:1 dB typical (DC-6 GHz) • 1.4:1 dB typical (6-18 GHz) • 1.7:1 dB typical (18-26.5 GHz) 	<ul style="list-style-type: none"> • 1.3:1 dB typical (DC-6 GHz) • 1.4:1 dB typical (6-18 GHz) • 1.7:1 dB typical (18-26.5 GHz) • 1.9: 2.2 dB typical (26.5-40 GHz)
Connectors	SMA (F)	2.92 mm (F)
Power Supply	24 V DC, 0.250 A max	24 V DC, 0.250 A max

Model index for feed selector switch

PART NUMBER	FREQUENCY BAND	DESCRIPTION
OFR-SP4T26FEEDSEL-1	DC-26.5 GHz	RF SP4T coaxial switch DC-20GHz
OFR-SP4T40FEEDSEL-1	DC-40 GHz	RF SP4T coaxial switch DC-40GHz



Contact your local sales representative for more information
salesteam@mvg-world.com
www.mvg-world.com