



8~2500MHz RoF Module

Features

- High linearity and sensitivity
- No signal format restriction, transparent transmission
- Low power consumption
- Excellent resistance to electromagnetic interference



Applications

- Mobile antenna
- Microwave delay lines
- Satellite ground station
- Radio frequency signal transmission

Parameter		Unit	Min	Typ	Max
Operating frequency		MHz	8	-	2500
Input RF Power		dBm	-70	-	10
RF Gain		dB	-20	0	10
In-band flatness		dB	-1.5		+1.5
1dB compression point		dBm	10		
SFDR@1GHz		dB/Hz ^{2/3}	105		
IMD3		dBc	60		
Transmitter	Operating wavelength	nm	1310nm, 1550nm		
	RIN	dB/Hz	--	--	-145
	SMSR	dB	35	--	--
	Optical isolation	dB	30	--	--
	Output power	mW	1	--	--
Receiver	Operating wavelength	nm	1100	--	1700
	Response	A/W	0.85	0.9	
Power supply		V	DC 12		
Power consumption		W	--	--	5
Dimension		mm	59*22*12		



1~10GHz RoF Module

Features

- Large dynamic range
- No signal format restriction, transparent transmission
- Low power consumption
- Excellent RF response flatness



Applications

- Long distance analog optical communication
- Microwave delay lines
- Telemetry, track and command (TT&C)
- Radio frequency signal transmission

Parameter		Unit	Min	Typ	Max
Operating frequency		GHz	1	--	10
Input RF Power		dBm	-70	-	15
RF Gain		dB	--	-30	--
In-band flatness		dB	-1.8		+1.8
1dB compression point		dBm	--	--	20
SFDR@1GHz		dB/Hz ^{2/3}	103		
IMD3		dBc	30	--	--
Transmitter	Operating wavelength	nm	1310nm, 1550nm, DWDM, CWDM		
	RIN	dB/Hz	--	--	-145
	SMSR	dB	35	45	--
	Optical isolation	dB	30	--	--
	Output power	mW	10	--	--
Receiver	Operating wavelength	nm	1100	--	1700
	Response	A/W	0.85	0.9	
Power supply		V	DC 5		
Power consumption		W	--	--	10
Dimension		mm	95*60*21		



2~18GHz RoF Module

Features

- Large dynamic range
- No signal format restriction, transparent transmission
- Low power consumption
- Excellent RF response flatness



Applications

- Long distance analog optical communication
- Microwave delay lines
- Telemetry, track and command (TT&C)
- Radio frequency signal transmission

Parameter		Unit	Min	Typ	Max
Operating frequency		GHz	2	--	18
Input RF Power		dBm	-70	-	15
RF Gain		dB	--	-30	--
In-band flatness		dB	-1.8		+1.8
1dB compression point		dBm	--	--	20
SFDR@1GHz		dB/Hz ^{2/3}	103		
IMD3		dBc	30	--	--
Transmitter	Operating wavelength	nm	1310nm, 1550nm, DWDM, CWDM		
	RIN	dB/Hz	--	--	-145
	SMSR	dB	35	45	--
	Optical isolation	dB	30	--	--
	Output power	mW	10	--	--
Receiver	Operating wavelength	nm	1100	--	1700
	Response	A/W	0.85	0.9	
Power supply		V	DC 5		
Power consumption		W	--	--	10
Dimension		mm	95*60*21		