

FBS Series

4 – 10GHz Divide-By-11 Prescaler

Features

- Input Frequency: 4-10GHz
- Output Frequency: $F_{in}/11$
- Divide Ratio: 11
- Output Power: +4dBm
- Phase Noise: -150dBc/Hz
- DC Power: 5V/160mA
- SMA Connector

Picture



Description

FBS-11-10 is a Input 4-10GHz frequency divider with fixed divide ratio of 11. It is designed for Phase Locked Loop applications.

Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

Parameter	Unit	Minimum	Typical	Maximum
Input Frequency Range F_{in}	GHz	4		10
Output Frequency Range	MHz	363.63		909.09
Fixed Divide Ratio		11		
Input Power Range				
f = 4 – 5GHz	dBm	-25		+5
f = 5 – 9GHz	dBm	-20		+5
f = 9 – 10GHz	dBm	-15		+0
Output Power	dBm		+4	
Output Duty Cycle	%		63.6	
SSB Phase Noise (100KHz Offset)	dBc/Hz		-150	
DC Power Supply	V		5	
Supply Current	mA		160	



Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+10dBm
Supply Voltage	+12V
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +100 °C

Outline

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	A	B	C	D	E	F	G	H	I	J
Inch	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
mm	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76