

LOW NOISE AMPLIFIERS

100 - 1980 MHz

SB Series

Product Features

Fiplex SB Series are A class small signal amplifiers, pHEMT technology, designed to increase the power level of received signals.

These amplifiers are designed to amplify multiple carrier signals with very low I.M. Generation and low noise figure. Compatible with analog, digital and analog + digital systems. Fixed and variable gain models available.

For other than specified, please contact Factory or Sales Offices.



Specification	SBW5201	SB95201	SB190201
Frequency range	100 – 520 MHz	800 – 960 MHz	1710 – 1980 MHz
Power output 1 dB comp	+13 dBm	+15 dBm	+15 dBm
Gain	16.5 dB	17 dB	15 dB
Gain variation in freq.	±1 dB	±1 dB	±1 dB
Gain manual adjustment	>20 dB	>20 dB	>20 dB
Output IP3	>+25 dBm	>+28 dBm	>+28 dBm
Noise figure	1.5 dB	1 dB	1 dB
Input return loss, min	14 dB	14 dB	14 dB
Output return loss, min	14 dB	14 dB	14 dB
Input no damage	+5 dBm max	+5dBm max	+5dBm max
Connectors, standard	SMA(f)	SMA(f)	SMA(f)
Power	+7.5 to +12Vdc@150mA	+7.5 to +12Vdc@150mA	+7.5 to +12Vdc@150mA
DC port connector	DC Jack male 2.1mm ID, 5.5 mm OD	DC Jack male 2.1mm ID, 5.5 mm OD	DC Jack male 2.1mm ID, 5.5 mm OD
Temperature range	-40° to 140° F -40° to +60° C	-40° to 140° F -40° to +60° C	-40° to 140° F -40° to +60° C
Mounting	4 holes, 5mm diam	4 holes, 5mm diam	4 holes, 5mm diam
Dimension, connectors included	5.1 x 2 x 1.3 inches 130 x 52 x 32 mm	5.1 x 2 x 1.3 inches 130 x 52 x 32 mm	5.1 x 2 x 1.3 inches 130 x 52 x 32 mm
Weight	1.1 lbs • 0.5 kg	1.1 lbs • 0.5 kg	1.1 lbs • 0.5 kg
Case material	Aluminum	Aluminum	Aluminum
MTBF	100.000 hours	100.000 hours	100.000 hours

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