

## L/S Band RF Front End Components



### ➤ Product features

The product consists of 4 down-conversion channels, whose function is to amplify, filter, down-convert the input S-band RF signal to an intermediate frequency and then output. The 3-channel down-conversion channel of the product has the working mode of ground and star, the product includes the power supply input voltage, and the function of selecting the working mode status detection and reporting

The product is small in size and low in power consumption. It includes four down-conversion channels in S-band, and has the working mode of ground and satellite; power output AGC control.

### ➤ Main indicator parameter

Parameter name	Typical value
Model	HSBM01-1715035
Channels 1-3	
Input frequency	S
Input signal level range	-90dBm~-55dBm
AGC dynamic range	≥35dB
Output signal level range	-12dBm~-8dBm
In-band flatness	≤2.0dB



Parameter name	Typical value
Model	HSBM01-1715035
channel-to-channel isolation	≥50dB
Channel four	
Input frequency	S
Input signal level range	-90dBm~-30dBm
Output signal level range	-12dBm~-8dBm
In-band flatness	≤2.0dB
AGC dynamic range	≥60dB
Common indicators	
Power input	+5V±0.1V, ripple: peak-to-peak does not exceed 150mV (0~20MHz)
Power consumption	≤15W
Module weight	≤650g
Product size	100mm×160mm×24.64mm
Operating temperature	-55℃~+85℃

