



## Miniaturized down conversion

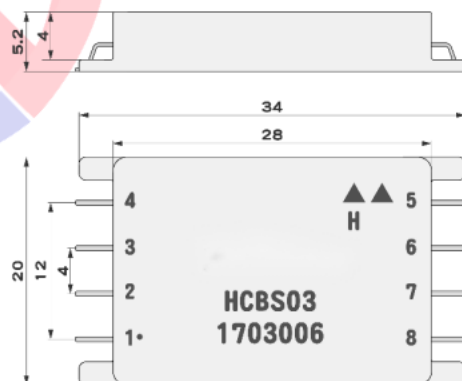


### ➤ Product features

This family of devices consists of amplifiers, bandpass filtering mixers, low-pass filters, amplifiers, sound table filter and other components, the main function is to convert the high frequency radio frequency carrier signal into an intermediate frequency signal, which is easy for signal processing and is widely used in the receiver of the communication system. The components adopt a hybrid integration process, which is small in size and reliable in It has the characteristics of high gain and low noise figure.

High integration, small size; low noise figure; small local oscillator power requirements; good 50Ω matching, easy to use in cascade; meet airborne and bomb-borne requirements.

### ➤ Installation diagram





➤ Main Indicator Parameters

Parameter name	Typical value
Model	HCBS03-1703006
Input frequency	S-Band
Noise figure	$\leq 1.2$ dB
Gain	$\geq 45$ dB
Image rejection	$\geq 35$ dB
Working current	$\leq 250$ mA
Product size	34mm×20mm×5.2mm
Operating temperature	-55°C~85°C
Custom instructions Frequency range: S-band Bandwidth can be customized according to requirements	

