



Ka -band broadband switch



➤ Product features.

The control module is for the ground of a military unit. The multi-function mode provided by the transmitting and receiving channel of the radar block, the product consists of limit amplification, single-pole three-throw switch, Phase shifter and attenuator are composed of several parts to achieve Link switching, branch signal amplification, amplitude and phase modulation equalization function.

Miniaturization; high isolation; low power consumption; high amplitude and phase consistency; covering amplitude limiting, amplification, attenuation, phase shifting, Channel switching function in one.

➤ Main Indicator Parameters

Parameter name	Typical value
Model	HMFA03-1712028
Working frequency	5.3-5.9GHz;
Product input end withstand power	≥+21 dBm
Channel gain	10dBm±0.75dB (normal temperature),±1.5dB (high and low temperature)
Noise Figure	≤8dB
P-1dB	≥+12dBm



Parameter name	Typical value
Model	HMFA03-1712028
Standing wave coefficient	≤ 1.6
Channel isolation	50dB (two switches are disconnected at the same time)
Phase shift accuracy	$\leq 3^\circ$
Operating voltage	DC+5V(current<150mA=,DC-5V(current<40mA=)
Product size	47mm×41.8mm×14mm
Operating temperature	-55°C~85°C
Custom instruction Frequency range and parameter indicators can be customized.	

