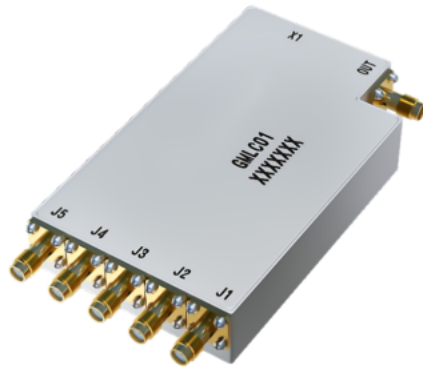




1~6GHz switching filter amplifier components



➤ **Product features**

The 1-6GHz switching filter and amplifying component is used to limit, digitally attenuate, amplify, select and filter 5 groups of radio frequency signals, and realize the functions of continuous wave 1W anti-burnout power, attenuation control and output channel selection. 45dB attenuation control (3dB step); CW 1W anti-burnout power; 5 frequency band output options; high isolation; good amplitude and phase consistency; high out-of-band rejection.

➤ **Main indicator parameters**

Parameter name	Typical value
Model	GMLC01-XXXXXXX
Frequency	1~1.5GHz、1.5~2GHz、2~3GHz、3~4GHz、4~6GHz
Gain (Digital Attenuator at 9dB)	25±2dB
Gain flatness in subbands	≤2dB (full temperature)
Noise Figure (Digital Attenuator at 0dB)	≤4dB (full temperature)
Amplitude consistency between paths	≤±0.5dB (full temperature)
Phase Consistency Between Channels	≤±5° (full temperature)
Port VSWR	≤2:1
Output P-1 compression point	≥10dBm (full temperature)
Out-of-band rejection	BW40dB/BW1dB≤3.3
Output port remote suppression	≥40dB@6.5~18GHz
Power	+5V/550mA、-5V/150mA
Product size	110mm×65mm×20mm
Operating temperature	-55℃~+85℃