

ST-40GB4GA05

Cavity Band Pass Filter

Specifications

S/N	Item	Parameters
1	Center Frequency(F0)	40GHz
2	Pass Band Frequency	$\pm 2.0\text{GHz}$ (38 ~ 42GHz)
3	Pass Band Insertion Loss	$\leq 1.8\text{dB}$
4	Pass Band Ripple	$\leq 0.62\text{dB}$
5	Pass Band Return Loss	$\geq 20\text{dB}$
6	Stop Band Rejection	$\geq 80\text{dB}$ @ DC ~ 36.65GHz $\geq 50\text{dB}$ @ 36.65 ~ 37.13GHz $\geq 50\text{dB}$ @ 42.98 ~ 43.57GHz $\geq 80\text{dB}$ @ 43.57 ~ 70GHz $\geq 80\text{dB}$ @ 70 ~ 72GHz(Don't Test)
7	Impedance	50 Ohms
8	Power Handling	5.0W Max.
9	Connectors	2.92mm(K)-Female
10	Surface Finish	Black Painted
11	Temperature Range	-30°C ~ +70°C
12	Dimensions	50*14*7mm
13	Configuration	As below (Tolerance: $\pm 0.3\text{mm}$)

