

WT-A5946-Q13

Cavity Band Pass Filter

Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	28.75GHz
2	0.4dB Bandwidth	2600MHz (27.45 ~ 30.05GHz)
3	Pass Band Insertion Loss	≤1.2dB
4	Pass Band Flatness	≤0.27dB @ peak-peak within any 500MHz segment , in the range of 27.5 ~ 30GHz ≤0.36dB @ peak-peak in the range of 27.5 ~ 30GHz
5	Pass Band VSWR	≤1.28:1 (Input / Output)
6	Group Delay	≤2.1ns @ peak-peak in the range of 27.5 ~ 30GHz
7	Group Delay Ripple	≤0.6ns @ peak-peak within any 500MHz segment , in the range of 27.5 ~ 30GHz
8	Stop Band Rejection	≥85dB @ DC ~ 26GHz ≥60dB @ 26 ~ 26.6GHz ≥80dB @ 31.5 ~ 48GHz
9	Impedance	50 Ohms
10	Power Handling	5W Max.
11	Connectors	Input: 2.92mm(K)-Male / Output: 2.92mm(K)-Female
12	Surface Finish	Painted Black
13	Temperature Range	-30°C ~ +70°C
14	Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
15	Dimensions	70*16*8.5mm
16	Net weight	0.07 KG

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.3mm)

