

# HXLBQ-DTA743

## Cavity Band Pass Filter

### Technical Data Sheet

S/N	Item	Parameters
1	Center Frequency(F0)	1970MHz
2	3.0dB Bandwidth	30MHz [Deviation: $\pm 3.0\text{MHz}$ @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$ ]
3	Insertion Loss @ F0	$\leq 1.2\text{dB}$ @ 1970MHz
4	Return Loss	$\geq 23\text{dB}$ @ 1970MHz $\pm 8.0\text{MHz}$
5	Group Delay	$\leq 60\text{ns}$ @ 1970MHz
6	Stop Band Rejection	$\geq 40\text{dB}$ @ F0 $\pm 35\text{MHz}$ (DC ~ 1935MHz , 2005MHz ~ 6000MHz)
7	Impedance	50 Ohms
8	Power Handling	20W Max.
9	Connectors	SMA-Female
10	Surface Finish	Painted Black
11	Temperature Range	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
12	Material	Housing: 6061 Aluminum alloy    Resonant column: H59 Copper alloy Cover: LY12 Aluminum alloy    Connectors: Stainless Steel Tuning screw: H62 Copper alloy    Other screw: Stainless Steel
13	Dimensions	100*68*26mm
14	Net weight	TBD

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance:  $\pm 0.4\text{mm}$ )

