

- **Model:** HXLBQ-DTA828X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 1150~1400MHz

- ★ High Stop Band Rejection
- ★ Low Pass Band Insertion Loss
- ★ Customizable Design
- ★ High Reliability

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	1275MHz	
● 3.0dB Bandwidth	250MHz (1150 ~ 1400MHz) [Deviation: ± 20 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	≤ 1.0 dB @ 1275MHz	
● Return Loss	≥ 20 dB @ 1175 ~ 1375MHz	
● Stop Band Rejection	≥ 45 dB @ DC ~ 1050MHz	≥ 45 dB @ 1500 ~ 3000MHz
● Impedance	50 Ohms	
● Power Handling	10W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
● Material	Housing: 6061 Aluminum alloy Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
● Dimensions	145*35*30mm	
● Net weight	TBD	

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

