

# Product Specifications

**Product:** Diplexer

**Part Number:** HPTBFC2-0727-P4310FO

## General Description

- High power input 300W
- Low in-band loss
- Low intermodulation rejection
- High isolation

## ELECTRICAL SPECIFICATIONS

Frequency Band	698~960MHz	2300~2690 MHz
Insertion Loss	<0.35dB	<0.35dB
Isolation	>50dB	
Return loss/VSWR	≥19 dB/1.25	
Power Rating	300 Watts Average	
IMD 3rd order	≤-150dBc@2x20dBm	
Impedance	50Ω	
DC by pass	By-pass across all input-output ports (max. 3000mA)	
Lightning protection (Port ANT)	8/20μs,20kA; 10/350μs pulse, 3 kA Port ANT	

## MECHANICAL SPECIFICATIONS

MTBF	>100,000 hours
Operating Temperature	-40 to 65°C
Operating Humidity	0 to 95%
Application	IP67, Indoor/Outdoor
Mounting bracket	Wall and Pole bracket
Weight	1100g
Dimensions	163*132*99mm
Connector Type	N Female/DIN-Female/4.3-10 Female

Note: Dimensions and weight subject change at the final stage of the development.

**Outline drawing:**

