

# SPECIFICATION

## COMMERCIALY AVAILABLE

**CAVITY BAND PASS DUPLEXER**  
**PART NUMBER: FNP-1486**

**01/17/2020 – Revised: Increases High Path power; modified connectors due to power increase.**

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
11/21/2019 <sup>(ASM)</sup>			
01/17/2020 <sup>(ASM)</sup>			

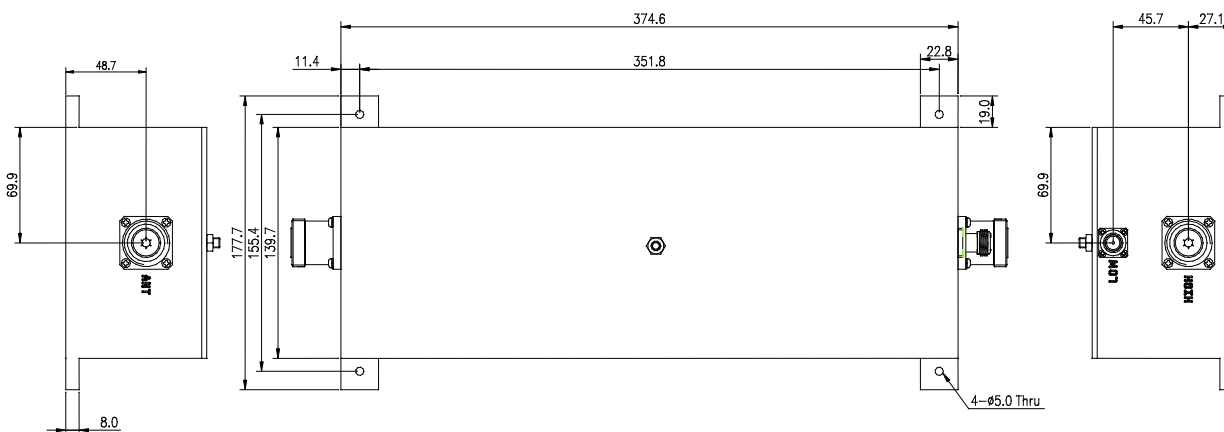
***FILTRONETICS Inc***

1. Part Number: FNP-1486

2. Electrical Specifications:

Parameter	Unit	Specification	
		Low Path	High Path
Center Frequency	MHz	347.5	392.5
Frequency Range	MHz	340~ 355	385 ~ 400
Insertion Loss in BW	dB	1.25(0.9 Typ.) Max.	0.85(0.5 Typ.) Max.
Return Loss in BW	dB	16.0(20.0 Typ.) Min.	16.0(20.0 Typ.) Min.
Isolation	dB	100 Min. @ 385 ~ 400MHz	90 (100.0 Typ.) Min. @ 340~355MHz
Attenuation	dB	80 Min. @ DC ~ 330MHz	90 Min. @ 340~355MHz
		60 Min. @ 375 ~ 385MHz	-
		100 Min. @ 385 ~ 400MHz	-
		60 Min. @ 400 ~ 1000MHz	-
		40 Min. @ 1000 ~ 10000MHz	30 Min. @ 1155~ 1200MHz (3 <sup>rd</sup> Harmonic of High BW)
Input Power	Watt	100 CW Max.	400 CW _ Peak 800 Max.
IN/OUT Impedance	Ω	50	
Operating Temp. Range	°C	-30 ~ +70	
Connector	-	DIN(Female) – ANT,HIGH / N(Female) – LOW	
Finish	-	Black Painting	

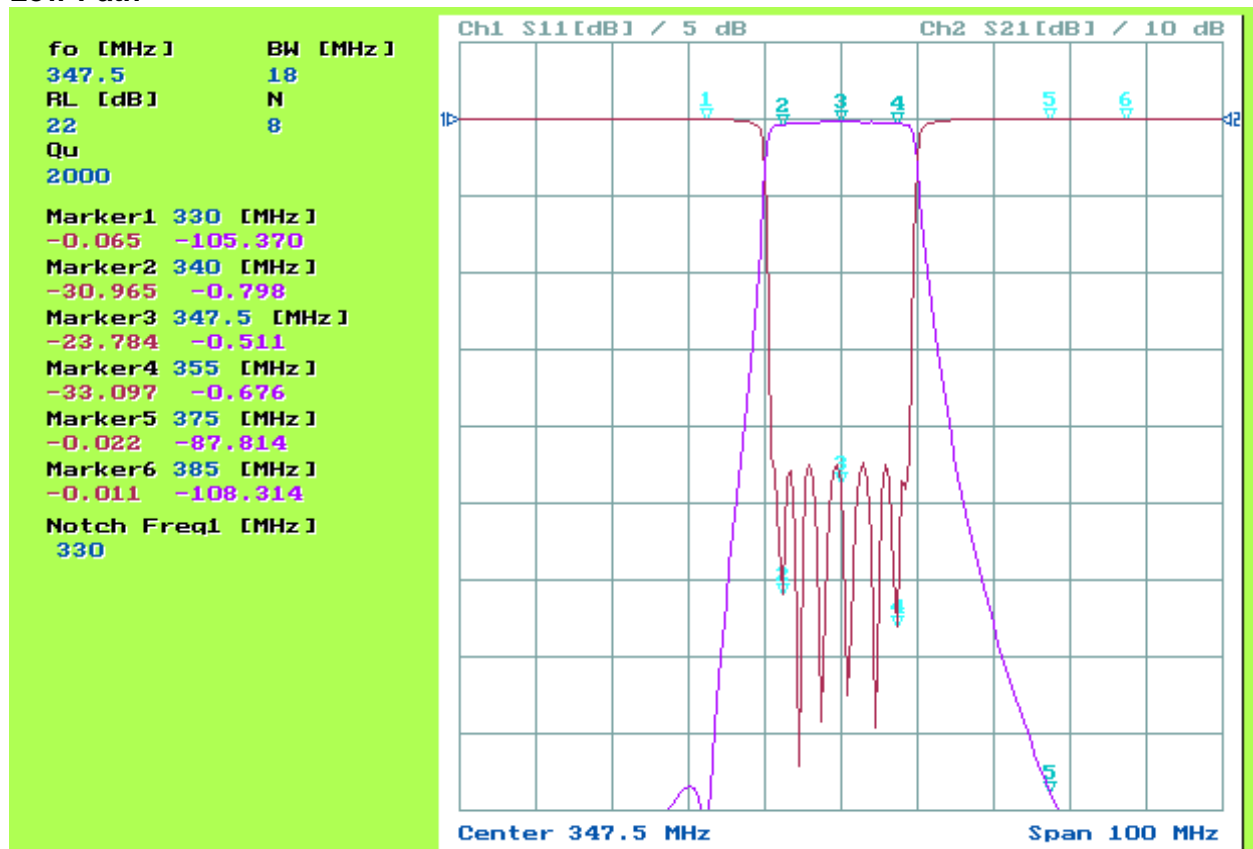
3. Mechanical Package Style:



Marking:  
 Filtronetics, Inc.  
 Part Number: FNP-1486  
 Date Code: YYWW

### 4. Theoretical Response:

#### Low Path



#### High Path

