

DESCRIPTION:

PFC model number BPID-9G-1G-SS is a Bandpass Interdigital filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

SPECIFICATIONS:

- BAND PASS FREQUENCY RANGE: 8.5 - 9.5 GHz
- VSWR IN THE PASS BAND: 1.2:1 MAX.
- INSERTION LOSS (PASSBAND): 0.5 dB MAX.
- REJECTION AT 8.1 GHz: 20 dB MIN.
- PHASE MATCHING: ± 10 DEG.
- AMPLITUDE MATCHING: ±0.15 dB
- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 1.75" (L) x 0.50" (W) x 0.50" (H)
- WEIGHT: 1 OZ. TYP.

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	10/2/99	

SMA FEMALE 4 HOLE
FLANGE CONNECTOR

1.75

0.38

Planar Filter Company
BDIP-9G-1G-SS
SN: XXXX

0.06

1.63

0.06

0.06

0.38

0.06

TOP SIDE

0.50

0.25

0.25

0.50

BOTTOM SIDE

MOUNTING HOLES ARE DRILLED AND TAPPED
0-80 0.110 DEEP 4 PLACES

0.06

1.63

0.06

0.06

0.38

0.06

TOP SIDE

PART NO.

APPROVALS	DATE
DRAWN K STIMMS	10/2/99
CHECKED	
ISSUED	

Planar Filter Company
7311G Grove Road, Fredrick, Maryland

OUTLINE DRAWING
BPID-9G-1G-SS

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.010
XXX ±0.005

SIZE
A

FSCM NO.
OZXZ8

DWG NO.
155-0015

REV.
-

SCALE
N/A

SHEET
1 OF 1