

DESCRIPTION:

PFC MODEL 12SFB8D1G-15D8G-CD-SFF IS A 12 CHANNEL SWITCHED FILTER BANK WITH INTEGRAL TTL DRIVER. 12SFB8D1G-15D8G-CD-SFF OFFERS A MIX OF LUMPED & COMBLINE FILTERS THAT COVERS A MULTIOCTIVE BAND

SPECIFICATIONS:

- FREQUENCY RANGE: -200 MHz - 16000 MHz
- INSERTION LOSS: -5dB
- FILTER SPECIFICATIONS:

PASSBAND			
	F0 MHZ	3 dB BANDWIDTH MHZ	REJECTION
CHANNEL 1	200	66	5 POLE RESPONSE
CHANNEL 2	200	66	5 POLE RESPONSE
CHANNEL 3	500	165	5 POLE RESPONSE
CHANNEL 4	500	165	5 POLE RESPONSE
CHANNEL 5	800	264	5 POLE RESPONSE
CHANNEL 6	800	264	5 POLE RESPONSE
CHANNEL 7	4000	1320	5 POLE RESPONSE
CHANNEL 8	4000	1320	5 POLE RESPONSE
CHANNEL 9	10000	3300	5 POLE RESPONSE
CHANNEL 10	10000	3300	5 POLE RESPONSE
CHANNEL 11	16000	5200	5 POLE RESPONSE
CHANNEL 12	16000	5200	5 POLE RESPONSE

- ISOLATION: -60 MAX. / -80 DESIGN GOAL
- VSWR: 2.0:1 Min.
- SWITCHING SPEED: 100 ns MAX.
- CONTROL: TTL 4 BIT CONTROL
- RF POWER RATING: 30 dBm CW MAX.
- POWER SUPPLY: +5V @ 330mA MAX.
-5V @ 30mA MAX.
- CONNECTOR: SMA FEMALE
- SIZE: 7.00"(L) x 3.00"(W) x 0.75"(H)
- WEIGHT: 15 OUNCES MAXIMUM

LOGIC TABLE

	INPUT			
	E1	E2	E3	E4
CHANNEL 1	0	0	0	0
CHANNEL 2	0	0	1	0
CHANNEL 3	0	0	1	1
CHANNEL 4	0	1	0	0
CHANNEL 5	0	1	0	1
CHANNEL 6	0	1	1	0
CHANNEL 7	0	1	1	1
CHANNEL 8	1	0	0	0
CHANNEL 9	1	0	0	1
CHANNEL 10	1	0	1	0
CHANNEL 11	1	0	1	1
CHANNEL 12	1	1	0	0

PIN	PIN OUT TABLE J1
1	+5V
2	GND
3	-5V
4	E1
5	E2
6	E3
7	E4
8	NA
9	NA

N/C = NO CONNECTION

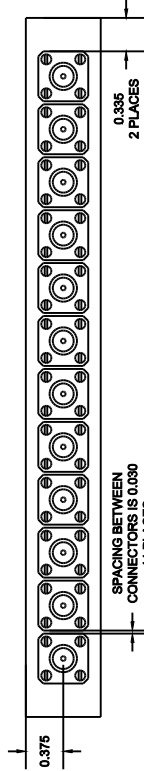
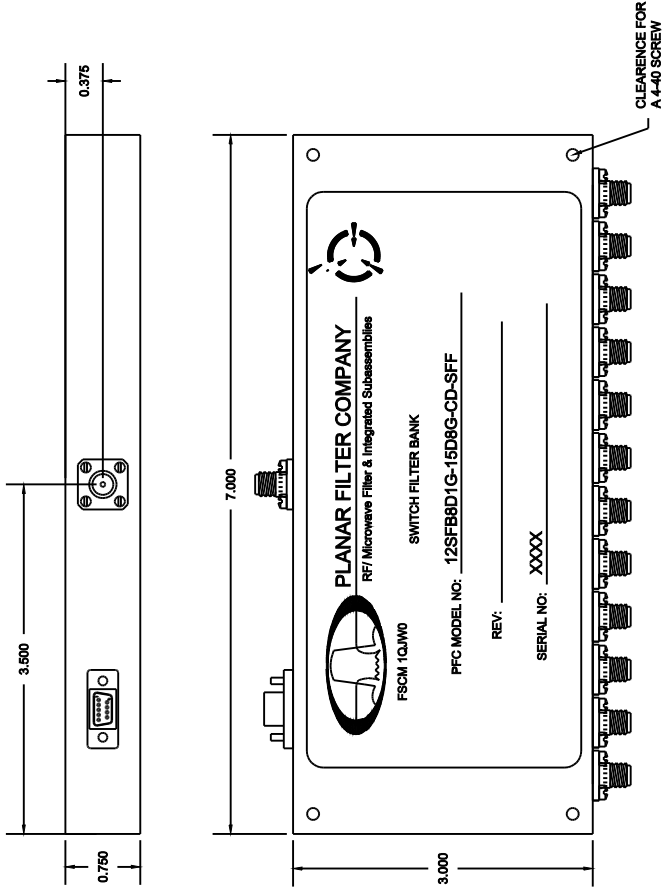
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +70°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
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	6/5/01	



PART NO.		APPROVALS		DATE
DRAWN		S. PALACIO		6/5/01
CHECKED				
ISSUED				
SIZE		FSCM NO.	DWG NO.	REV.
A		1QJW0	155-0750	-
SCALE		N/A		SHEET 1 OF 1

Planar Filter Company		7311G Grove Road, Fredrick, Maryland	
TITLE		OUTLINE DRAWING	
12SFB8D1G-15D8G-CD-SFF			