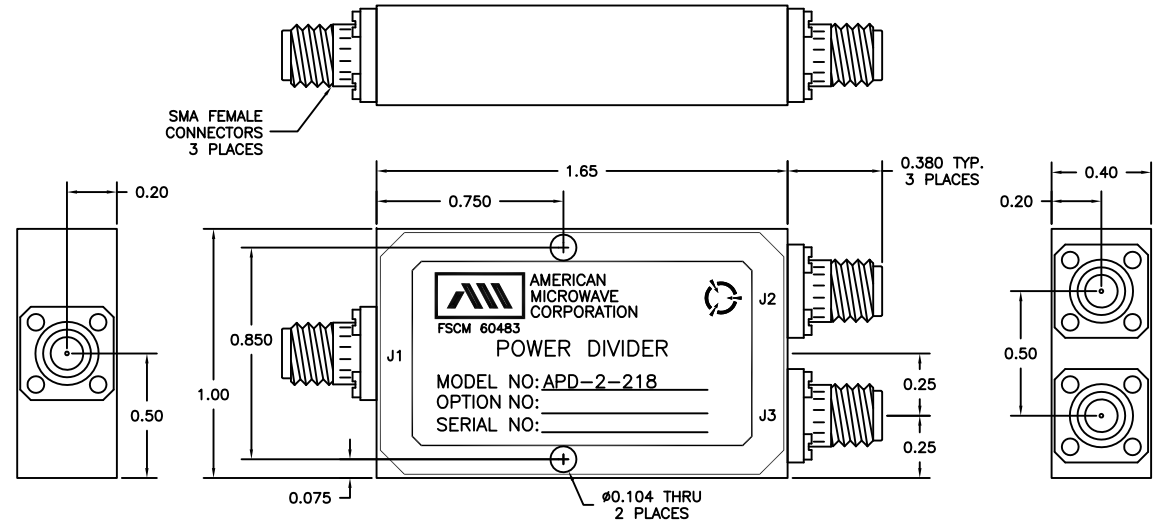


DESCRIPTION

PMI MODEL APD-2-218 IS A 2 TO 18 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 0.5 dB MAXIMUM BETWEEN 2 TO 8 GHz AND 1.2 dB MAXIMUM BETWEEN 8 TO 18 GHz. THE SIZE IS 1.65" x 1.00" x 0.40".

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 2 TO 8 GHz: 0.75 dB MAXIMUM
8 TO 18 GHz: 1.5 dB MAXIMUM
- VSWR INPUT: 2 TO 8 GHz: 1.6:1
8 TO 18 GHz: 1.75:1
- VSWR OUTPUT: 2 TO 8 GHz: 1.6:1
8 TO 18 GHz: 1.75:1
- ISOLATION: 2 TO 8 GHz: 18 dB MINIMUM
8 TO 16 GHz: 17 dB MINIMUM
16 TO 18 GHz: 8 dB MINIMUM
- AMPLITUDE BALANCE: 2 TO 8 GHz: 0.35 dB
8 TO 18 GHz: 0.5 dB
- PHASE BALANCE: 2 TO 8 GHz: 5.0°
8 TO 18 GHz: 6.0°
- AVERAGE POWER INTO LOAD VSWR: 1.2:1 25 WATTS
2.1:1 7.5 WATTS
∞ 0.75 WATT
- WEIGHT: 1.5 oz.



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	2/20/97	
	B	SEE ECN# 11-034	3/8/11	RA

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
- **TEMPERATURE CYCLE:** MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN RA		2/20/97	PRODUCT FEATURE APD-2-218			
ENG			SIZE	FSCM NO.	DWG NO.	REV.
QAE			A	60483	100-4004	B
SCALE N:S					SHEET 1 OF 1	