



Cavity Filter Specifications

Unit Name	Cavity Filter
Part Name	CADPX12MR3470/3570S60AY
Date	August 18, 2003

Written by	Checked by	Approved by



Systron Inc.

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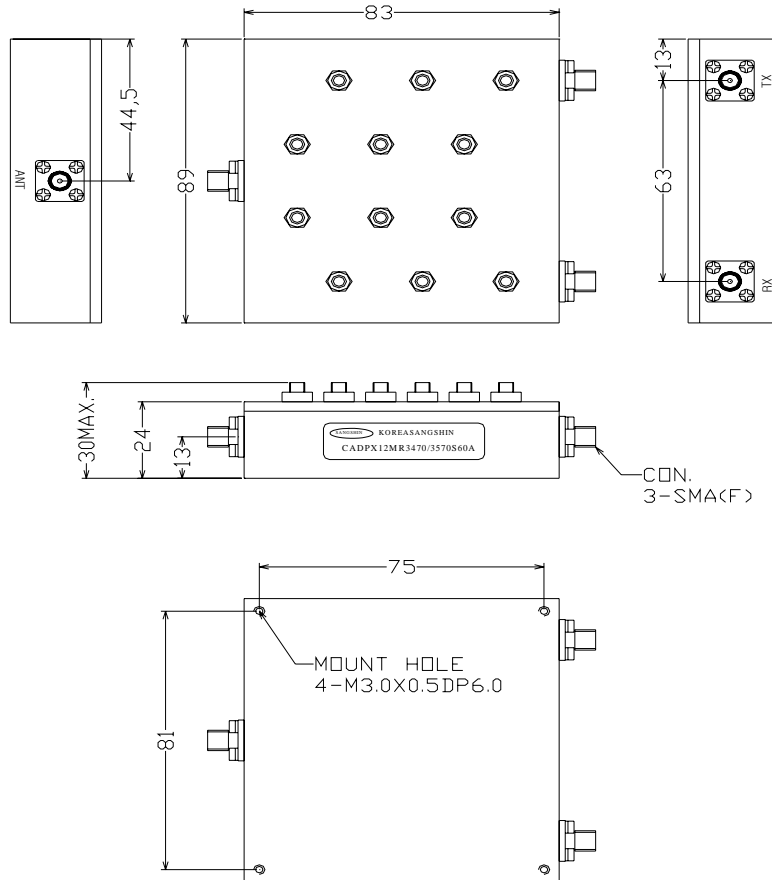
CUSTOMER :
 PART NO. : CADPX12MR3470/3570S60AY
 DATE : 2003/08/18

WRITTEN BY	CHECKED BY	APPROVAL
		

1. ELECTRICAL SPECIFICATION

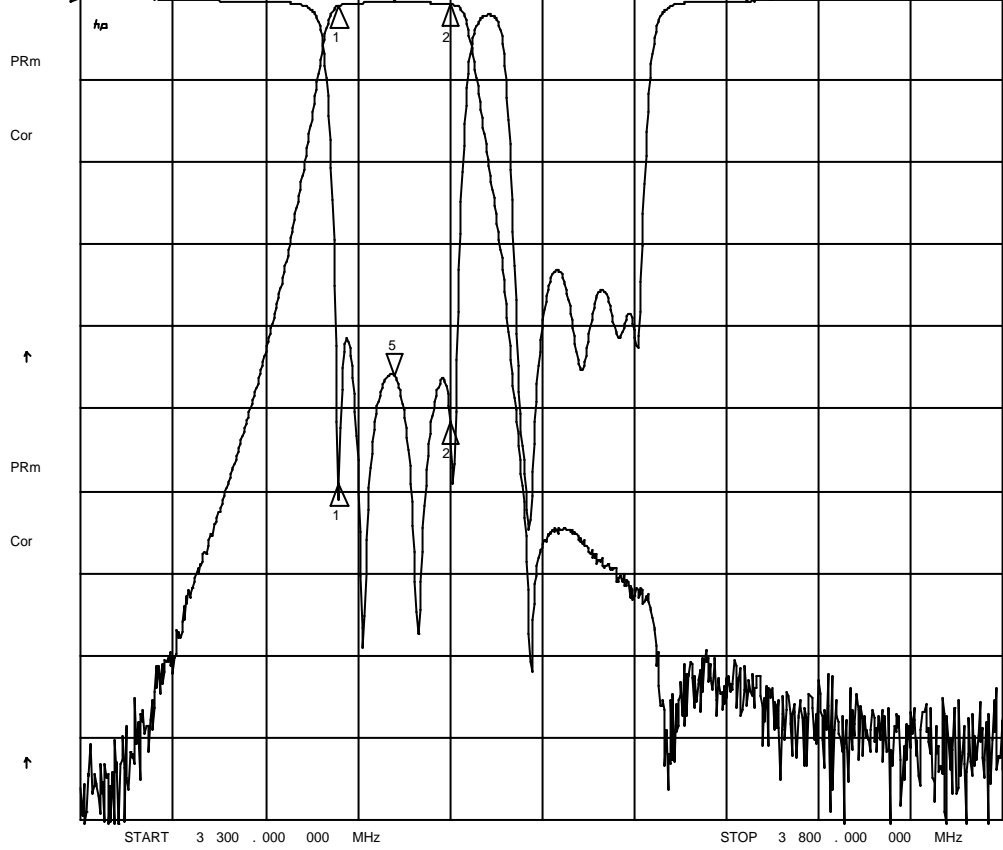
ITEM	RX	TX	REV
1> Center Frequency	3470 MHz	3570 MHz	
2> Band-width	60 (3440~3500)MHz	60 (3540~3600) MHz	
3> I.L at BW (max.)	1.0 dB	1.0 dB	
4> Ripple at BW (max.)	0.5 dB	0.5 dB	
5> Return Loss at BW (min)	15 dB	15 dB	
6> In/Out Impedance	50 Ohm	50 Ohm	
7> Input Power (max.)	1 W	1 W	
8> Attenuation ■ Absolute Value	50dB Min @ 3540MHz 70dB Min @ 3200~3340MHz 70dB Min @ 3600~3800MHz	50dB Min @ 3500MHz 70dB Min @ 3300~3440MHz 70dB Min @ 3700~3900MHz	
10> Temp. Range	-40° C ~ +85° C		

2. MECHANICAL DIMENSIONS



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CH1 S11 LOG 5 dB/ REF 0 dB 5: -22 .984 dB
CH2 S21 LOG 10 dB/ REF 0 dB 5: - .58670 dB 3 470 .000 000 MHz



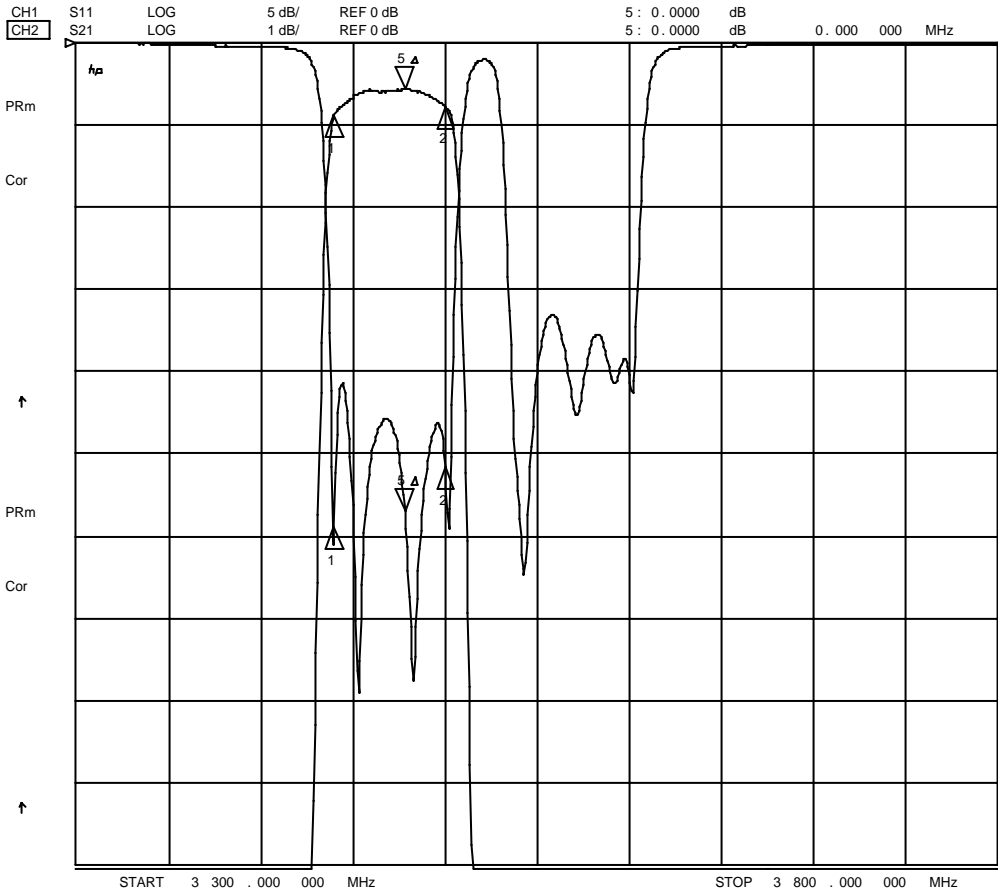
CH1 Markers

- 1: -29 .530 dB
- 3: 44000 GHz
- 2: -25 .804 dB
- 3: 50000 GHz

CH2 Markers

- 1: - .88470 dB
- 3: 44000 GHz
- 2: - .77480 dB
- 3: 50000 GHz

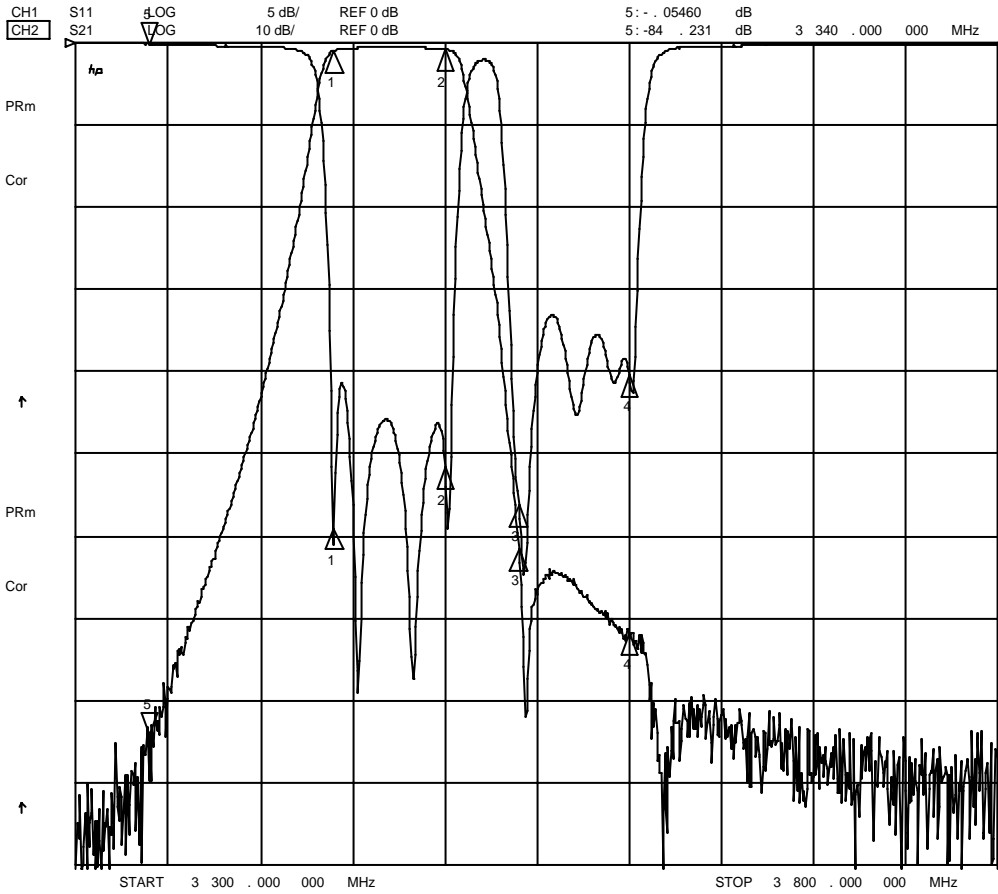
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CH1 Markers
1 : -1 . 0202 dB
-38 . 1250 MHz
2 : 2 . 6339 dB
21 . 8750 MHz

CH2 Markers
▲ REF=5
1 : - . 32000 dB
-38 . 1250 MHz
2 : - . 20570 dB
21 . 8750 MHz

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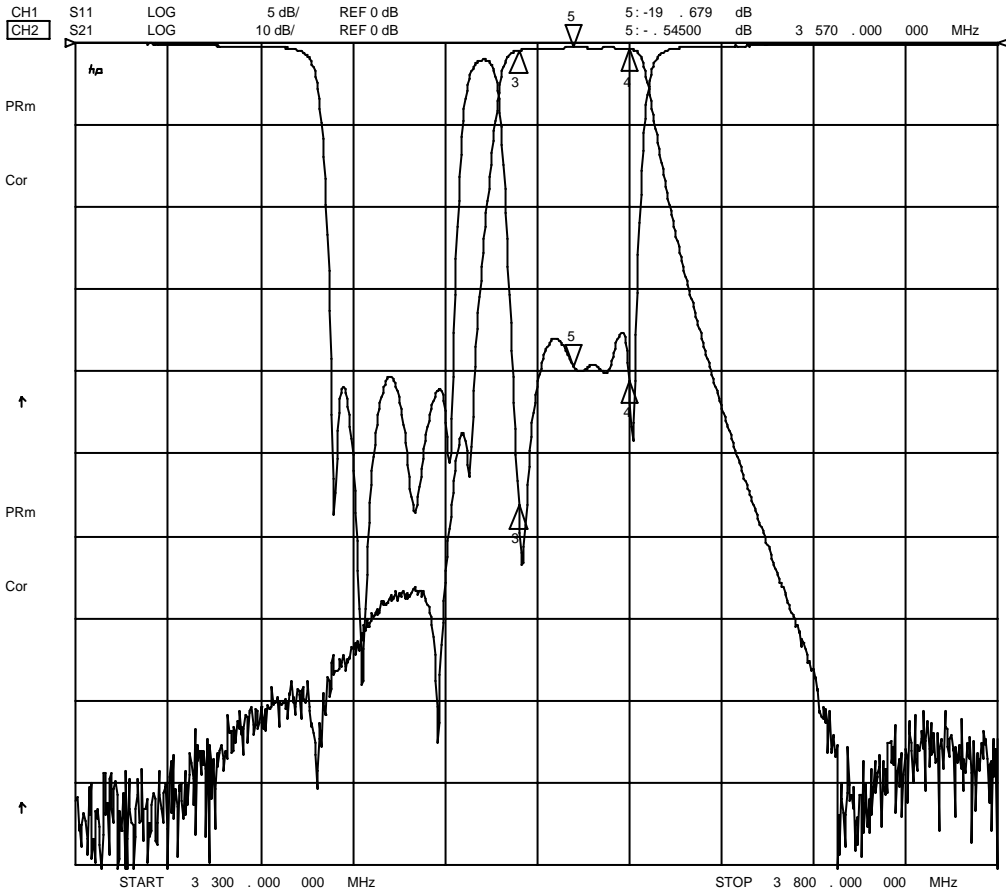
CH1 Markers

- 1: -29 .497 dB
3. 44000 GHz
- 2: -25 .839 dB
3. 50000 GHz
- 3: -28 .077 dB
3. 54000 GHz
- 4: -20 .188 dB
3. 60000 GHz

CH2 Markers

- 1: -.88420 dB
3. 44000 GHz
- 2: -.77240 dB
3. 50000 GHz
- 3: -61 .532 dB
3. 54000 GHz
- 4: -71 .760 dB
3. 60000 GHz

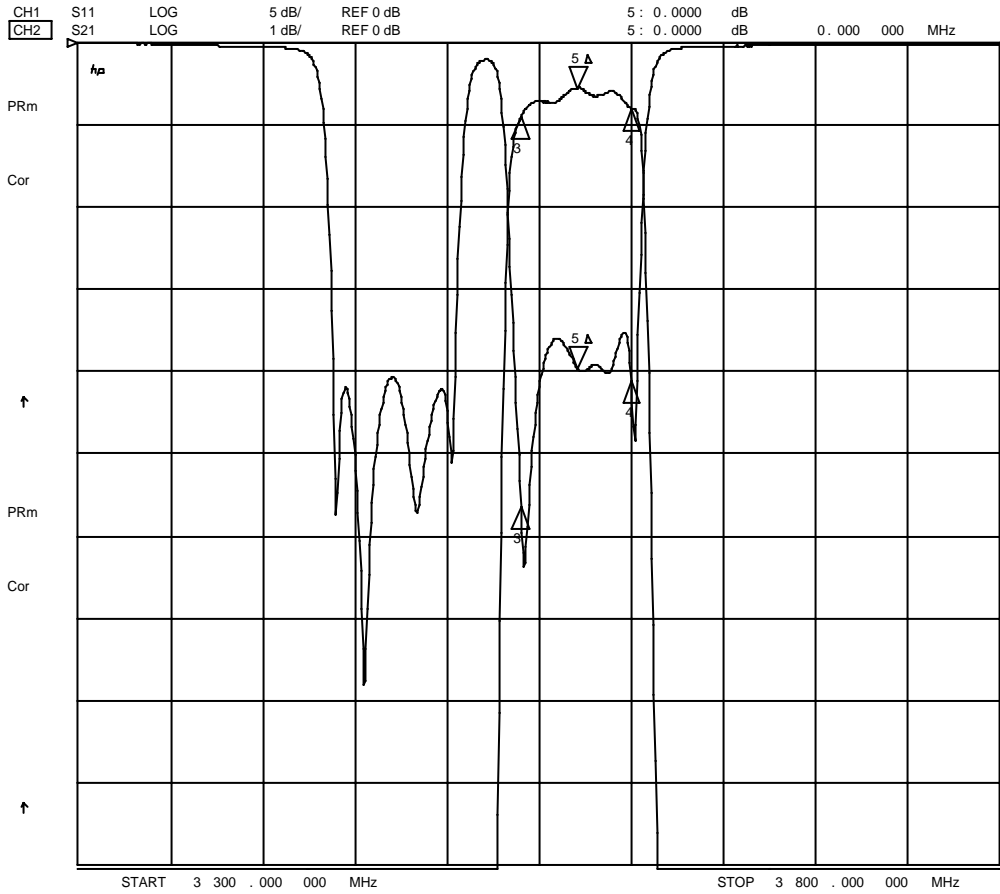
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CH1 Markers
3: -28 . 172 dB
3. 54000 GHz
4: -20 . 525 dB
3. 60000 GHz

CH2 Markers
3: - . 89240 dB
3. 54000 GHz
4: - . 79450 dB
3. 60000 GHz

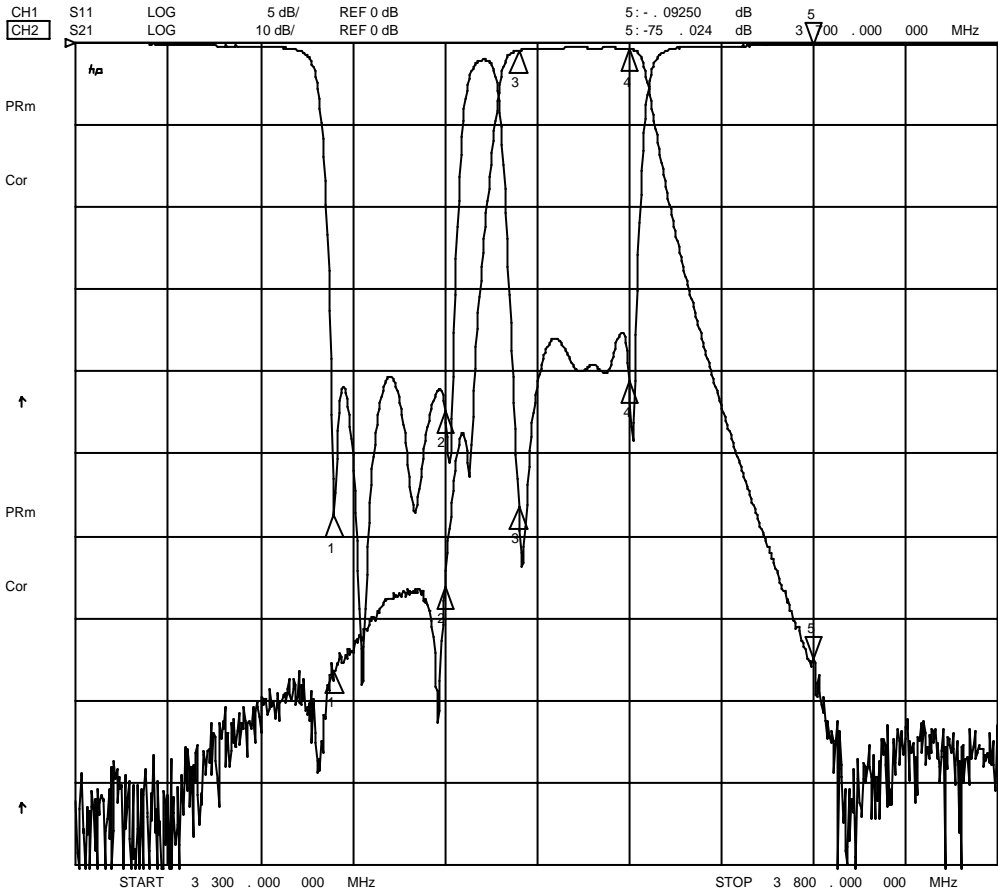
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CH1 Markers
3 : -8 . 3425 dB
-31 . 2500 MHz
4 : - . 66980 dB
28 . 7500 MHz

CH2 Markers
Δ REF=5
3 : - . 34880 dB
-31 . 2500 MHz
4 : - . 24580 dB
28 . 7500 MHz

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CH1 Markers

- 1: -.28 .732 dB
3.44000 GHz
- 2: -.22 .341 dB
3.50000 GHz
- 3: -.28 .194 dB
3.54000 GHz
- 4: -.20 .541 dB
3.60000 GHz

CH2 Markers

- 1: -.76 .353 dB
3.44000 GHz
- 2: -.66 .185 dB
3.50000 GHz
- 3: -.88310 dB
3.54000 GHz
- 4: -.79180 dB
3.60000 GHz