

1.0 Electrical Specifications

No.	Characteristics Band 1		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	49.5		
1.2	1.0 dB Bandwith		Mhz		46	53
1.3	Insertion Loss at 49.5 MHz		dB			3
1.4	VSWR From 47 to 52 MHz					1.5:1
1.5	Ripple p-p From 46 to 53 MHz		dB			1
1.6	Attenuation	From 1 to 26.5 MHz	dB		50	
		From 69 to 500 MHz	dB		50	
1.7	In/Out Impedance		Ohms	50		
1.8	Maximum input power (Average)		Watts			2
1.9	Maximum input power (Peak)		Watts			20

No.	Characteristics Band 2		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	60.75		
1.2	1.0 dB Bandwith		Mhz		53	68.5
1.3	Insertion Loss at 60.75 MHz		dB			3
1.4	VSWR From 55 to 66 MHz					1.5:1
1.5	Ripple p-p From 53 to 68.5 MHz		dB			1
1.6	Attenuation	From 1 to 34.5 MHz	dB		50	
		From 79.5 to 500 MHz	dB		50	
1.7	In/Out Impedance		Ohms	50		
1.8	Maximum input power (Average)		Watts			2
1.9	Maximum input power (Peak)		Watts			20

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MODEL :

B1183119101



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SIZE
A

CAGE CODE
1WTM6

DWG NO. **83119101**

REV

SCALE NONE

FILE

83119101-24

SHEET 2 of 4

1.0 Electrical Specifications

No.	Characteristics Band 3		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	78.25		
1.2	1.0 dB Bandwith		Mhz		68.5	88
1.3	Insertion Loss at 78.25 MHz		dB			3
1.4	VSWR From 71 to 85 MHz					1.5:1
1.5	Ripple p-p from 68.5 to 88 MHz		dB			1
1.6	Attenuation	From 1 to 44 MHz	dB		50	
		From 103 to 500 MHz	dB		50	
1.7	In/Out Impedance		Ohms	50		
1.8	Maximum input power (Average)		Watts			2
1.9	Maximum input power (Peak)		Watts			20

No.	Characteristics Band 4		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	91		
1.2	1.0 dB Bandwith		Mhz		88	94
1.3	Insertion Loss at 91 MHz		dB			3
1.4	VSWR From 89 to 93 MHz					1.5:1
1.5	Ripple p-p from 88 to 94 MHz		dB			1
1.6	Attenuation	From 1 to 47 MHz	dB		50	
		From 132 to 500 MHz	dB		50	
1.7	In/Out Impedance		Ohms	50		
1.8	Maximum input power (Average)		Watts			2
1.9	Maximum input power (Peak)		Watts			20

2.0 Environmental Specifications

2.1	Temperature range (operating)	-0°C to +60°C
2.4	Humidity	95% Relative

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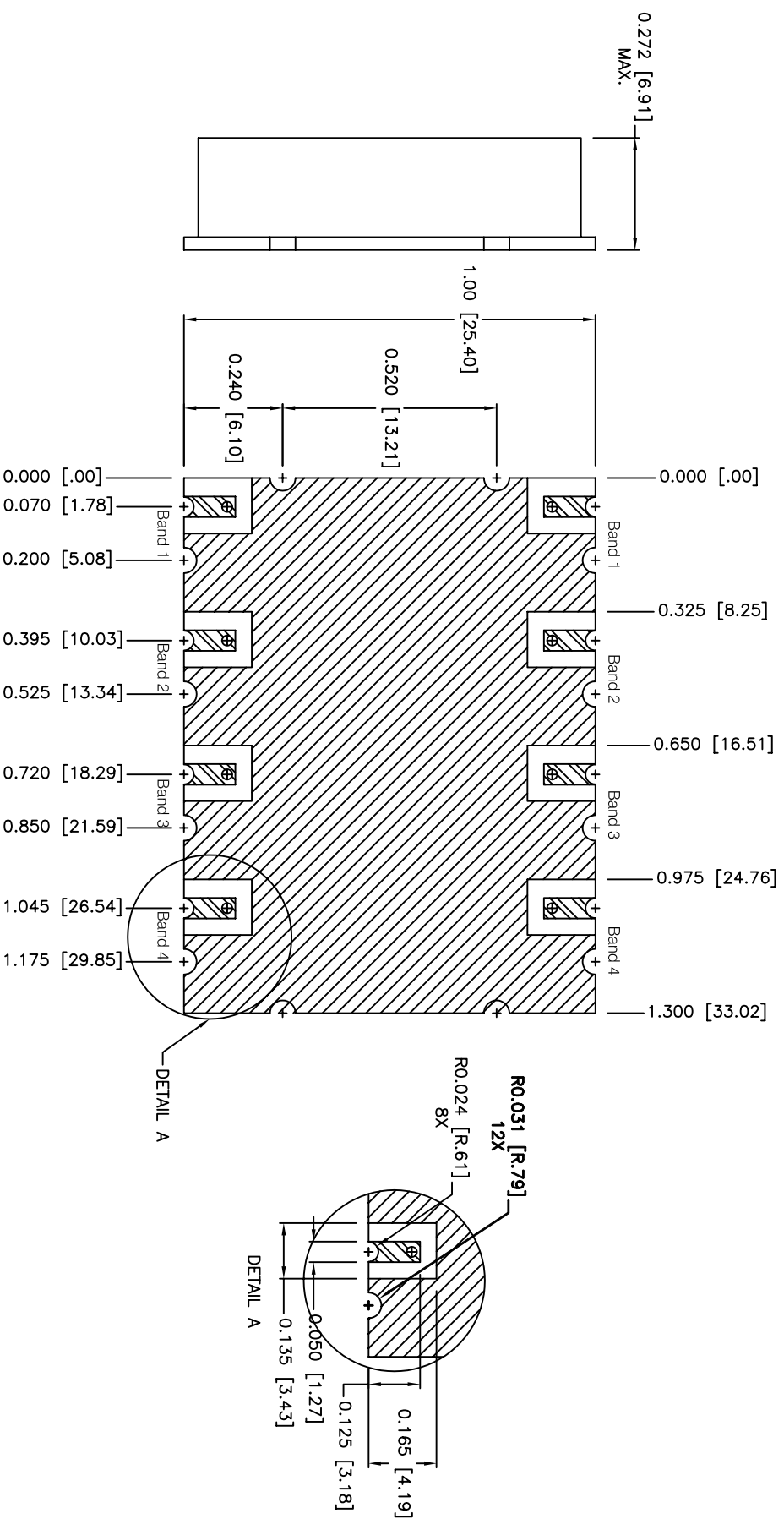
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MODEL :

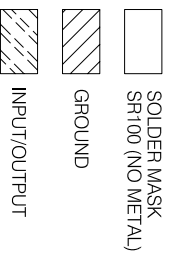
B11-83119101

SIZE A	CAGE CODE 1WTM6	DWG NO. 83119101	REV
SCALE NONE	FILE	83119101-34	SHEET 3 of 4

3.0 Mechanical Specifications



Material: Nickel Silver/FR4
Finish: Tin/Nickel
Unless otherwise noted
Tol. are: inch [mm]
.XX \pm 0.02 [0.51]
.XXX \pm 0.005 [0.127]

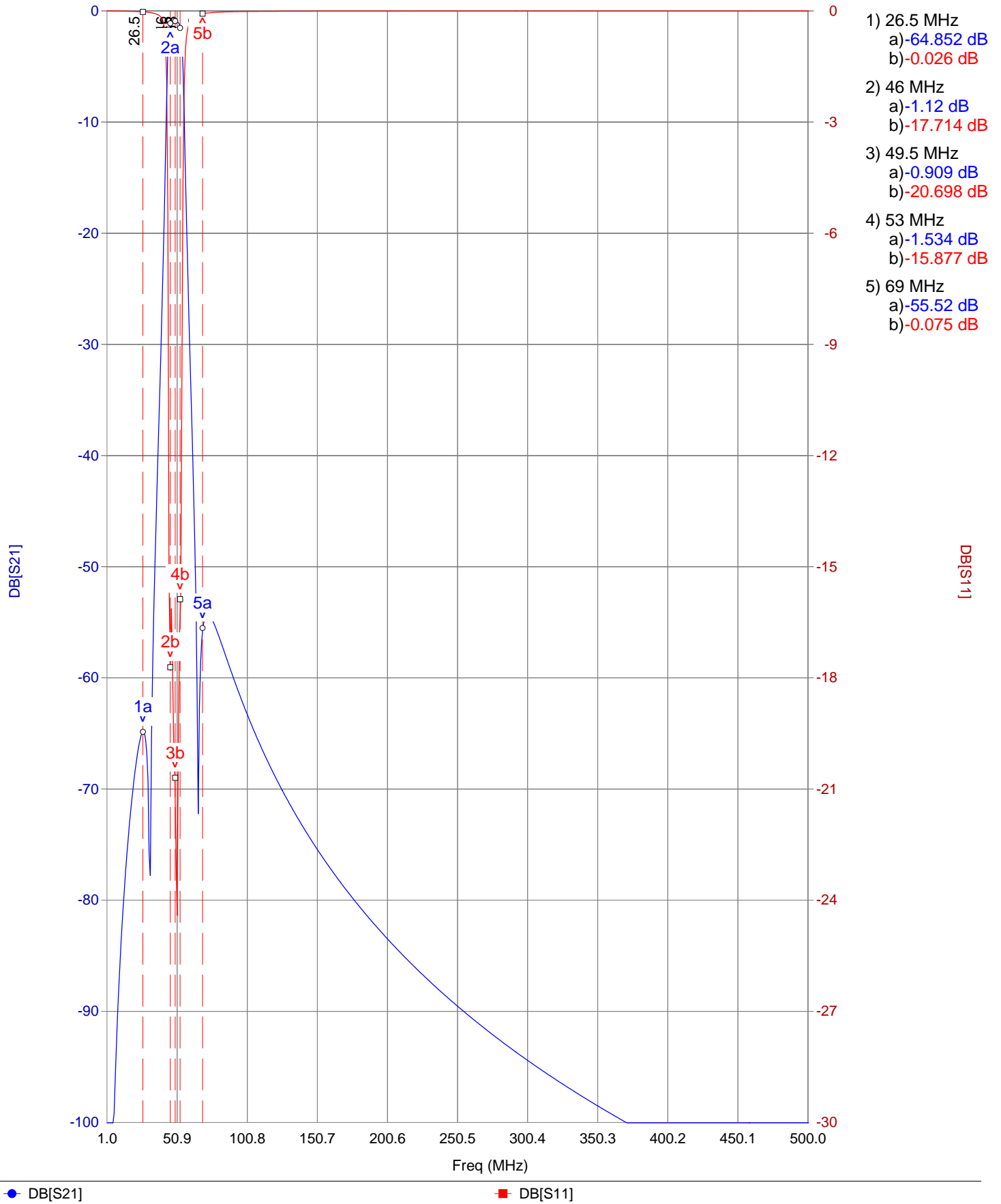


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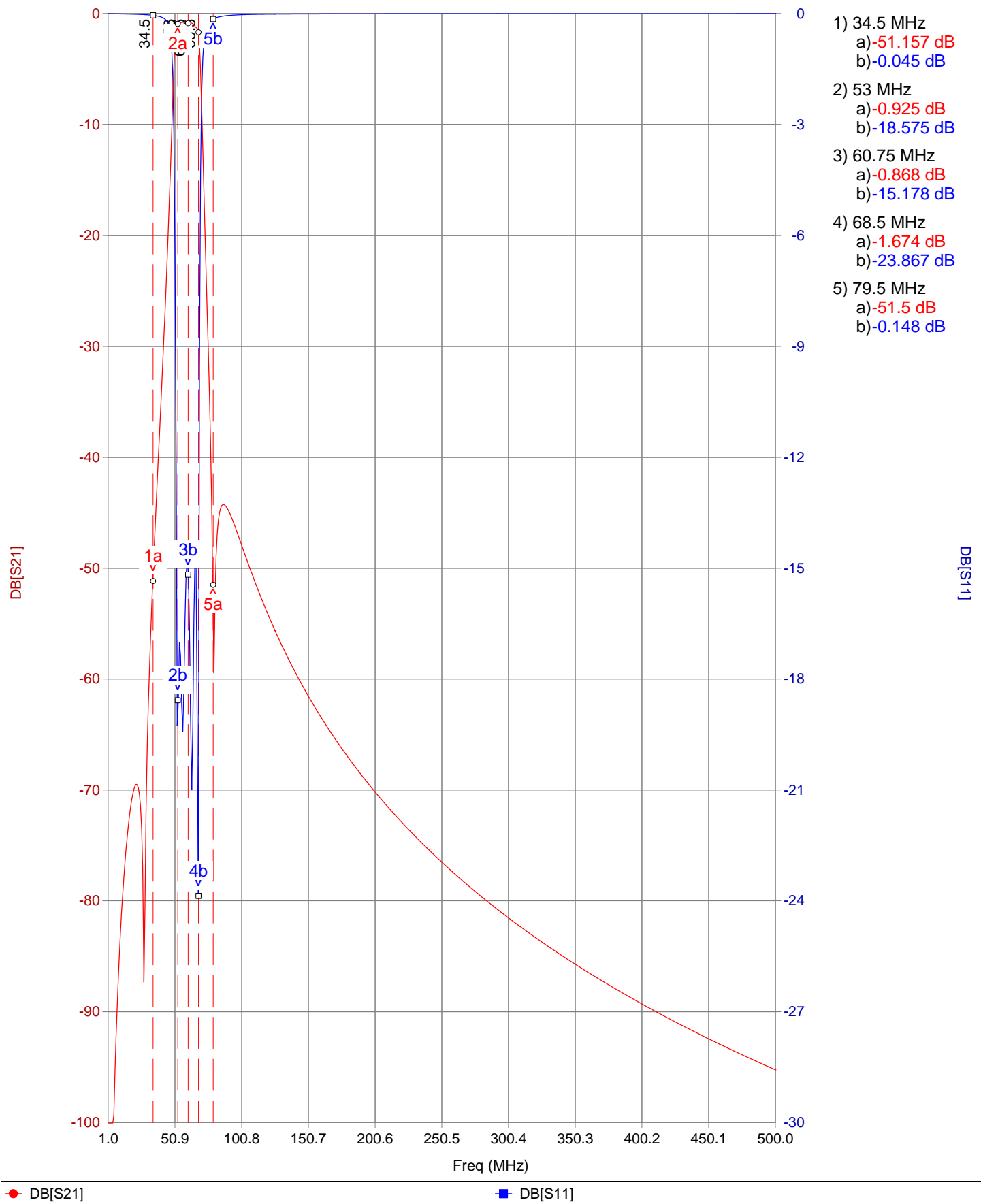
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MODEL: B11-83119101			
SIZE	CAGE CODE	DWG NO.	REV.
A	NONE	83119101	
SCALE NONE	FILE: 83119101-44	SHEET	4-4

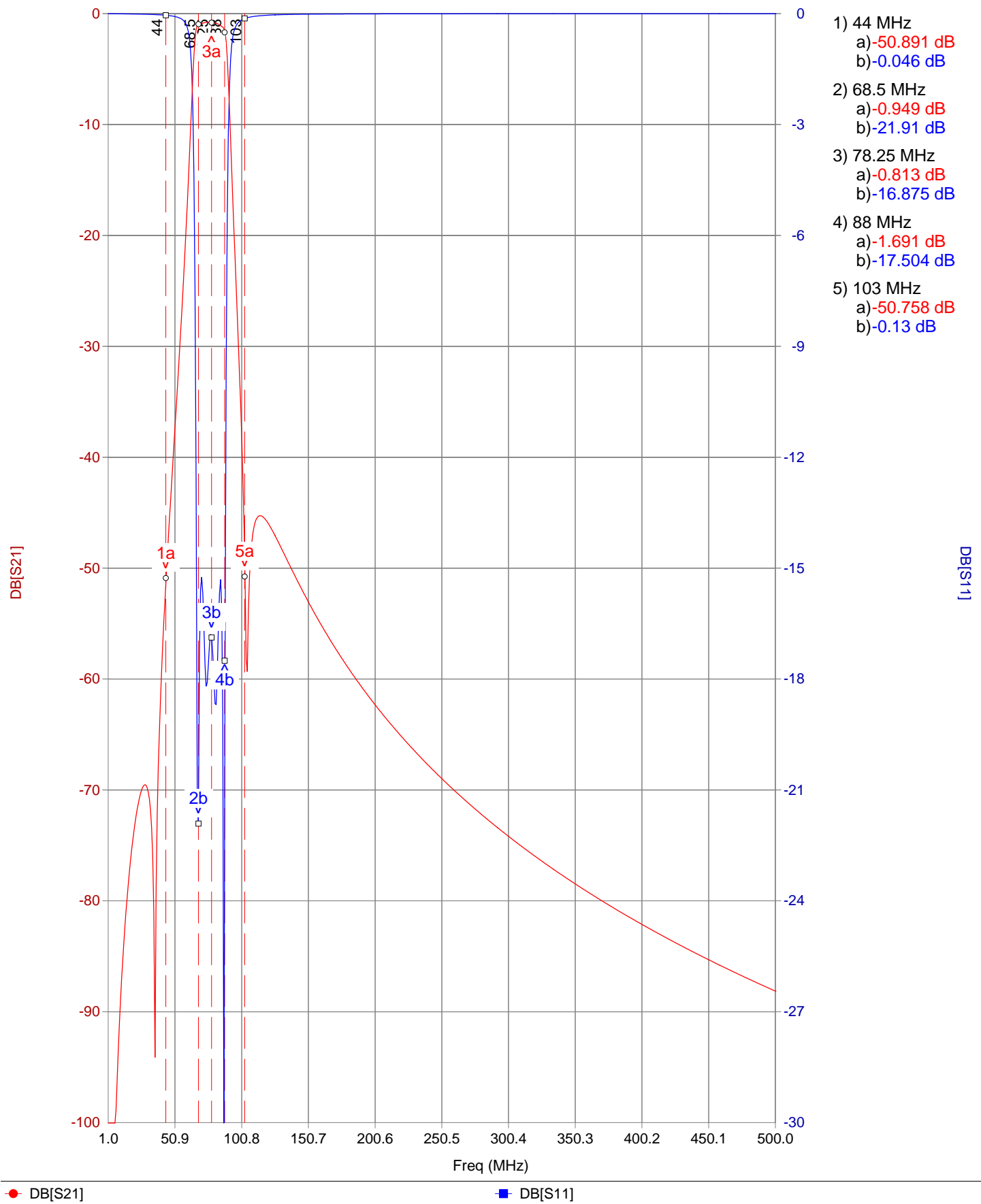
BAND 1



BAND 2



BAND 3



BAND 4

