

## 1.0 Electrical Specifications

No.	Characteristics Band 1		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	115		
1.2	1.0 dB Bandwith		Mhz		100	130
1.3	Insertion Loss at 115 MHz		dB			3
1.4	VSWR From 103 to 126 MHz					1.5:1
1.5	Ripple p-p From 100 to 130 MHz		dB			1
1.6	Attenuation	From 1 to 65 MHz	dB		50	
		From 150 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	135		
1.2	1.0 dB Bandwith		Mhz		130	140
1.3	Insertion Loss at 135 MHz		dB			3
1.4	VSWR From 131 to 139 MHz					1.5:1
1.5	Ripple p-p From 130 to 140 MHz		dB			1
1.6	Attenuation	From 1 to 70 MHz	dB		50	
		From 195 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 :

**B1183119099**



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SIZE  
**A**

CAGE CODE  
**1WTM6**

DWG NO. **83119099**

REV

SCALE NONE

FILE 83119099-24

SHEET 2 of 4

## 1.0 Electrical Specifications

No.	Characteristics Band 3		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	156		
1.2	1.0 dB Bandwith		Mhz		140	172
1.3	Insertion Loss at 156 MHz		dB			3
1.4	VSWR From 144 to 168 MHz					1.5:1
1.5	Ripple p-p from 140 to 172 MHz		dB			1
1.6	Attenuation	From 1 to 86 MHz	dB		50	
		From 210 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	176		
1.2	1.0 dB Bandwith		Mhz		172	180
1.3	Insertion Loss at 176 MHz		dB			3
1.4	VSWR From 173 to 179 MHz					1.5:1
1.5	Ripple p-p from 172 to 180 MHz		dB			1
1.6	Attenuation	From 1 to 90 MHz	dB		50	
		From 258 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)	-20°C to +85°C
2.4	Humidity	95% Relative

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MODEL :

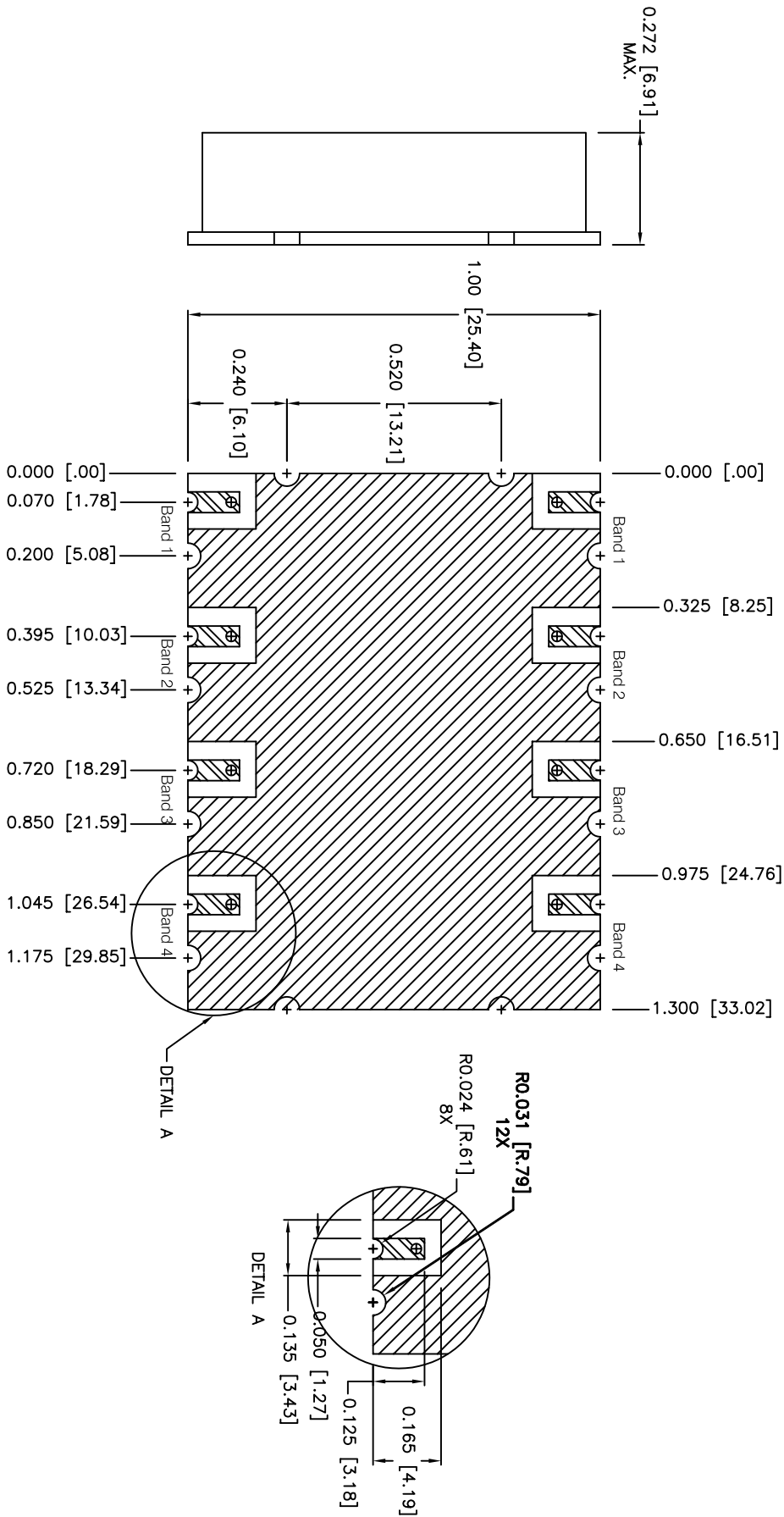
**B11-83119099**

SIZE <b>A</b>	CAGE CODE <b>1WTM6</b>	DWG NO. <b>83119099</b>	REV
SCALE NONE	FILE	83119099-34	SHEET 3 of 4

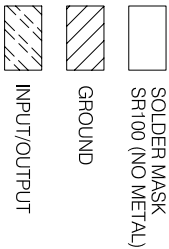
### 3.0 Mechanical Specifications

DWG. NO. 83119099

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



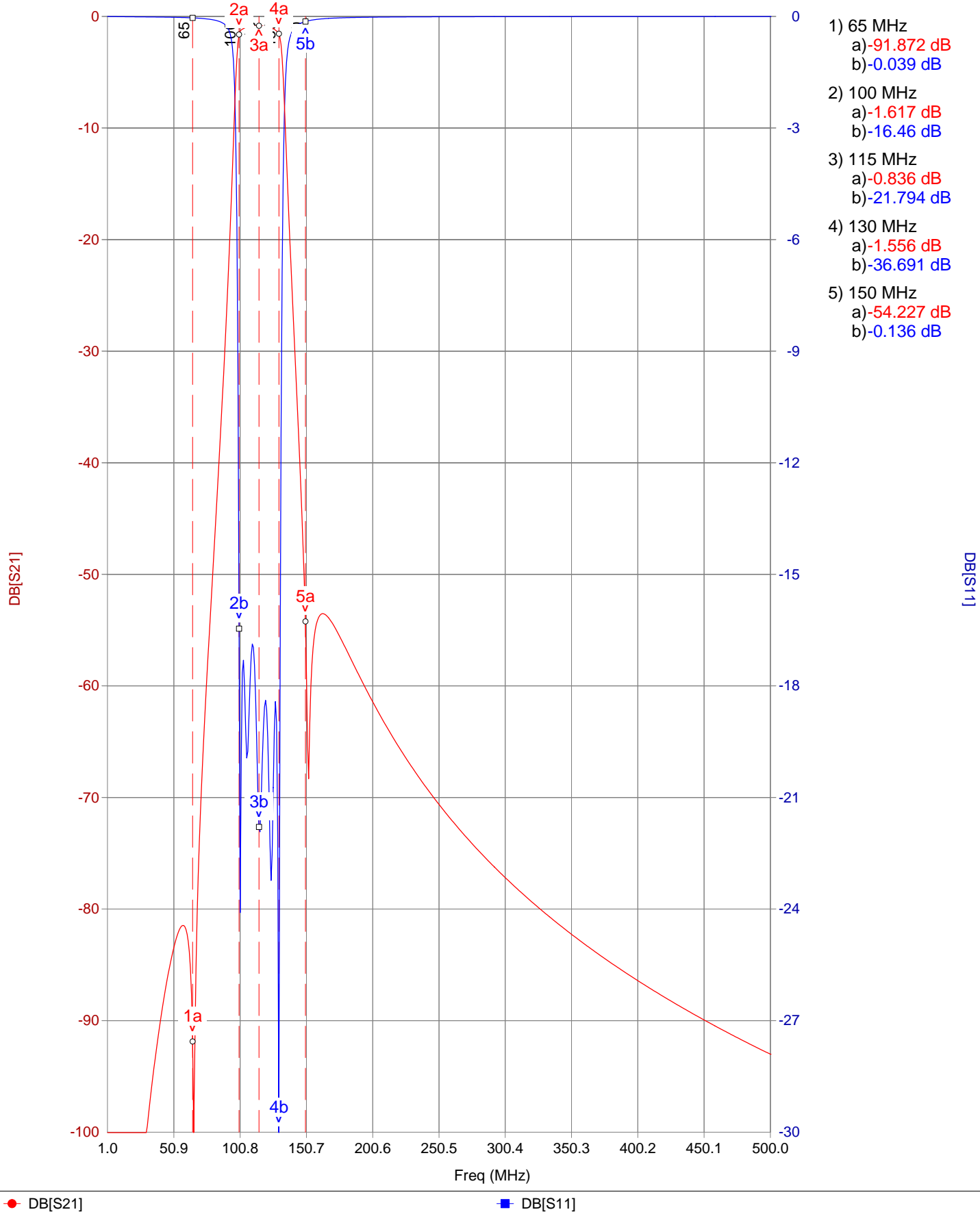
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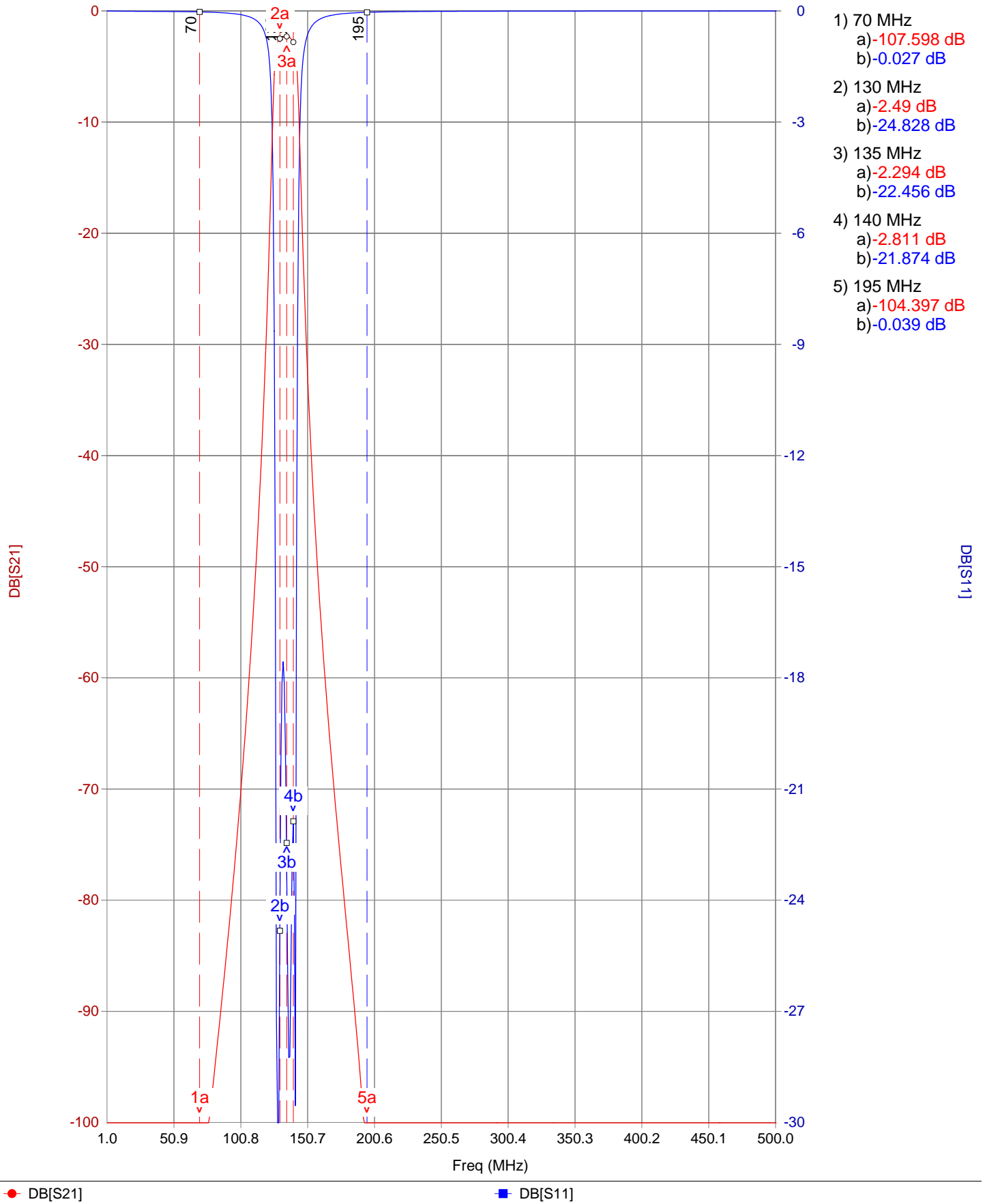
MODEL: B11-83119099

SIZE	CAGE CODE	DWG NO.	REV.
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SCALE NONE	FILE: 83119099-44	SHEET 4-4	

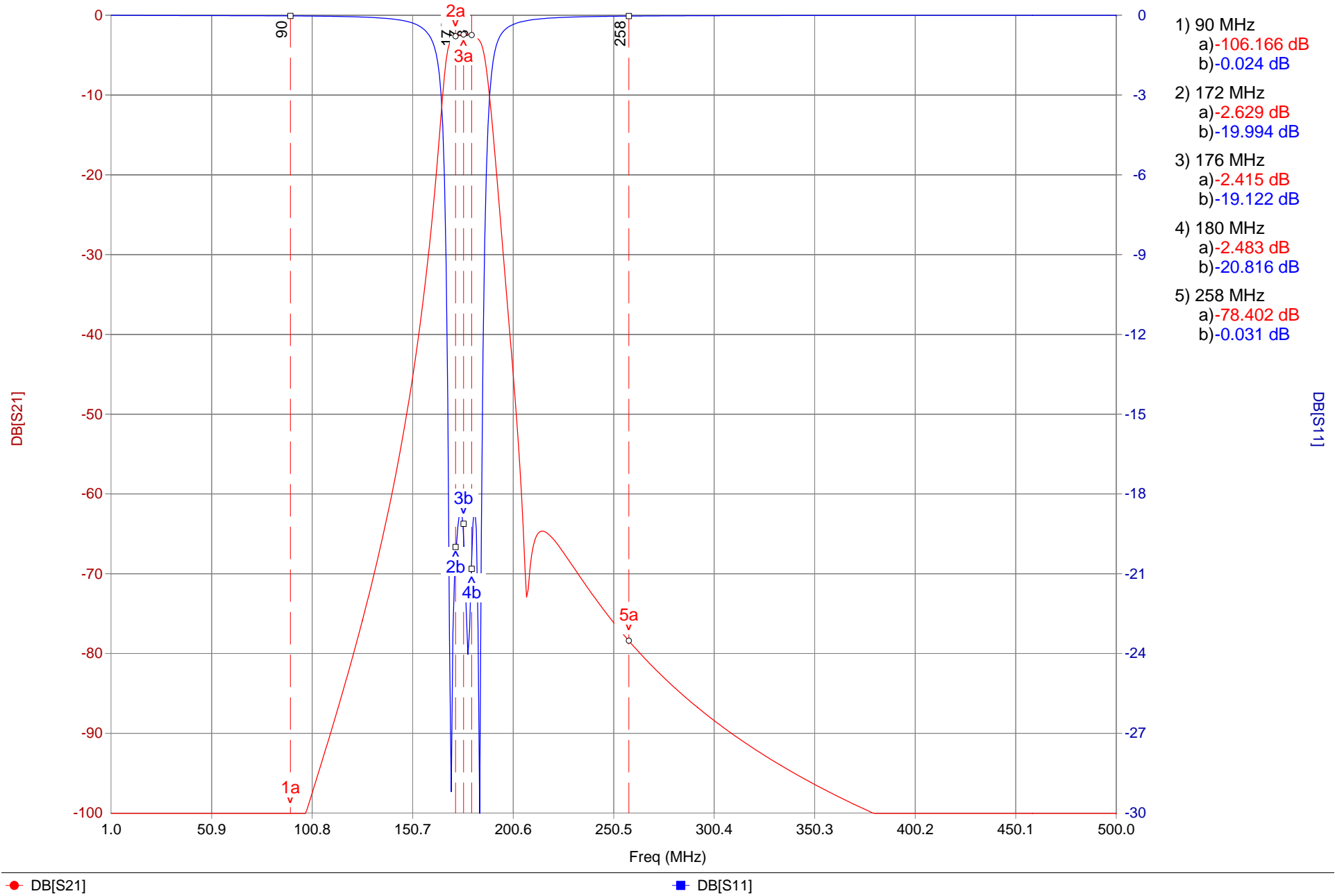
# BAND 1



## BAND 2



BAND 4



# BAND 3

