1.0 Electrical Specifications

No.	Characteristics		Unit	Typical	Minimum	Maximum
1.1	Center Frequency		Mhz	3650		
1.2	Insertion Loss from 3600 to 3700		dB			1
1.3	VSWR From 3600 to 3700 MHz					1.5/1
1.4	Attenuation	At 3310 MHz	dB		30 Goal	
		At 4120 MHz	dB		30 Goal	
1.5	In/Out Impedance		Ohms	50		
1.6	Maximum input power (Average)		Watts			1
1.7	Maximum input power (Peak)		Watts			2

2.0 Environmental Specifications

2.1	Temperature range (operating)	-30°C to +85°C
2.2	Temperature range (non-operating)	-40°C to +100°C
2.3	Vibration	5 G's max.
2.4	Shock	15 G's max.
2.5	Humidity	90% Relative

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sales@mcvtech.com **www.mcvtech.com**

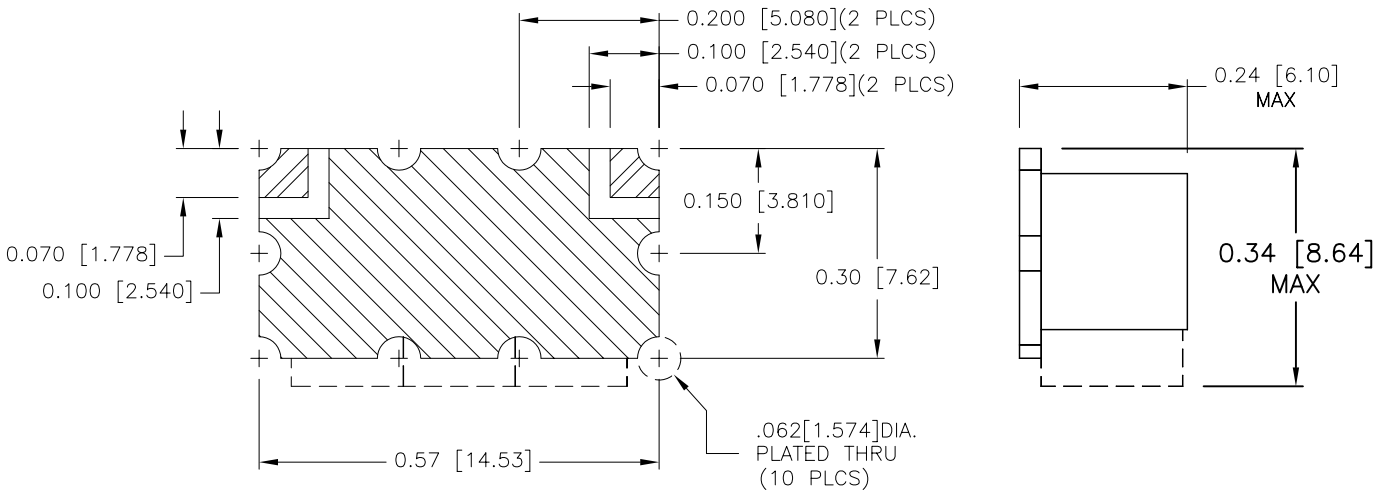
MODEL : BP43R3650S100A

SIZE	CAGE CODE	DWG NO.	REV
A	1WTM6	83119079	

SCALE NONE	FILE 83119079-23	SHEET 2 of 3

DWG. NO. 83119079

3.0 Mechanical Specifications



SOLDER MASK
SR100 (NO METAL)

GROUND

INPUT/OUTPUT

Material: Nickel silver/Ceramic

Finish: Tin/Nickel

Unless otherwise noted
Tol. are: inch [mm]

.XX ± 0.020 [0.508]
.XXX ± 0.010 [0.254]

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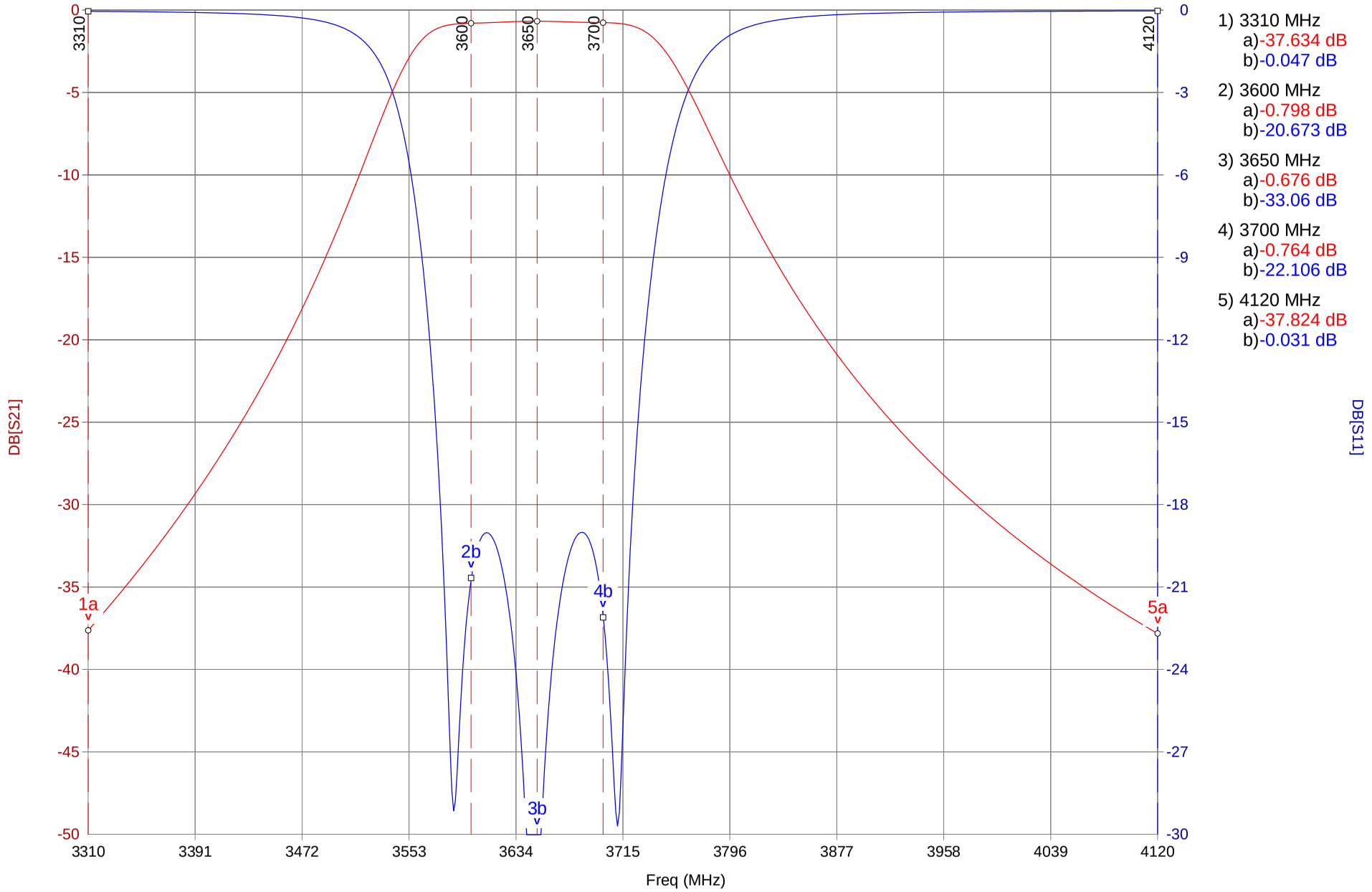
MODEL :			
BP43R3650S100A			
SIZE	CAGE CODE	DWG NO.	REV
A	1WTM6	83119079	
SCALE NONE	FILE 83119079-33	SHEET 3 of 3	

C:\RAUL\RFQ 221 Teletronics Filter\BP43R3650S100A.wsp: Filter1.Response February 1, 2005 10:44:37

BP43R3650S100A



1) 3310 MHz
   a)-37.634 dB
   b)-0.047 dB
2) 3600 MHz
   a)-0.798 dB
   b)-20.673 dB
3) 3650 MHz
   a)-0.676 dB
   b)-33.06 dB
4) 3700 MHz
   a)-0.764 dB
   b)-22.106 dB
5) 4120 MHz
   a)-37.824 dB
   b)-0.031 dB

DB[S21] DB[S11]