SPECIFICATION

HIGH PASS FILTER
PART NUMBER: FN-3384
RoHS

5/16/16 Updated specification and Changed Return Loss (71 ~ 1000MHz) and graphs.

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
3/29/2007**			
5/16/16(kn)			

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Description: A 50 MHz high rejection, high pass filter in a tubular case with 75 ohm male & female connectors. Usage includes video and cable TV (CATV).

1. Part Number: FN-3384

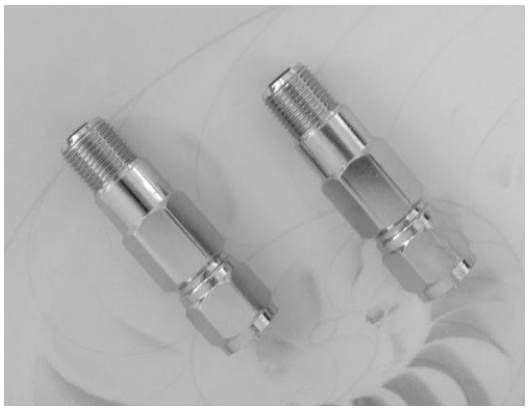
2. Electrical Specifications:

ITEM	MIN	TYP	MAX	UNIT
Frequency Range		5～1000		MHz
Impedance		75		Ω
Insertion Loss（50～70MHz）		1.8	2.0	dB
Insertion Loss（71～1000MHz）		0.5	1.0	dB
Return Loss（50～70MHz）	12	16		dB
Return Loss（71～1000MHz）	14	18		dB
Rejection（5～39.8MHz）	45	50		dB
The screening efficiency meets the EN 50083-2 Class A standard.				

3. MECHANICAL SPECIFICATIONS:

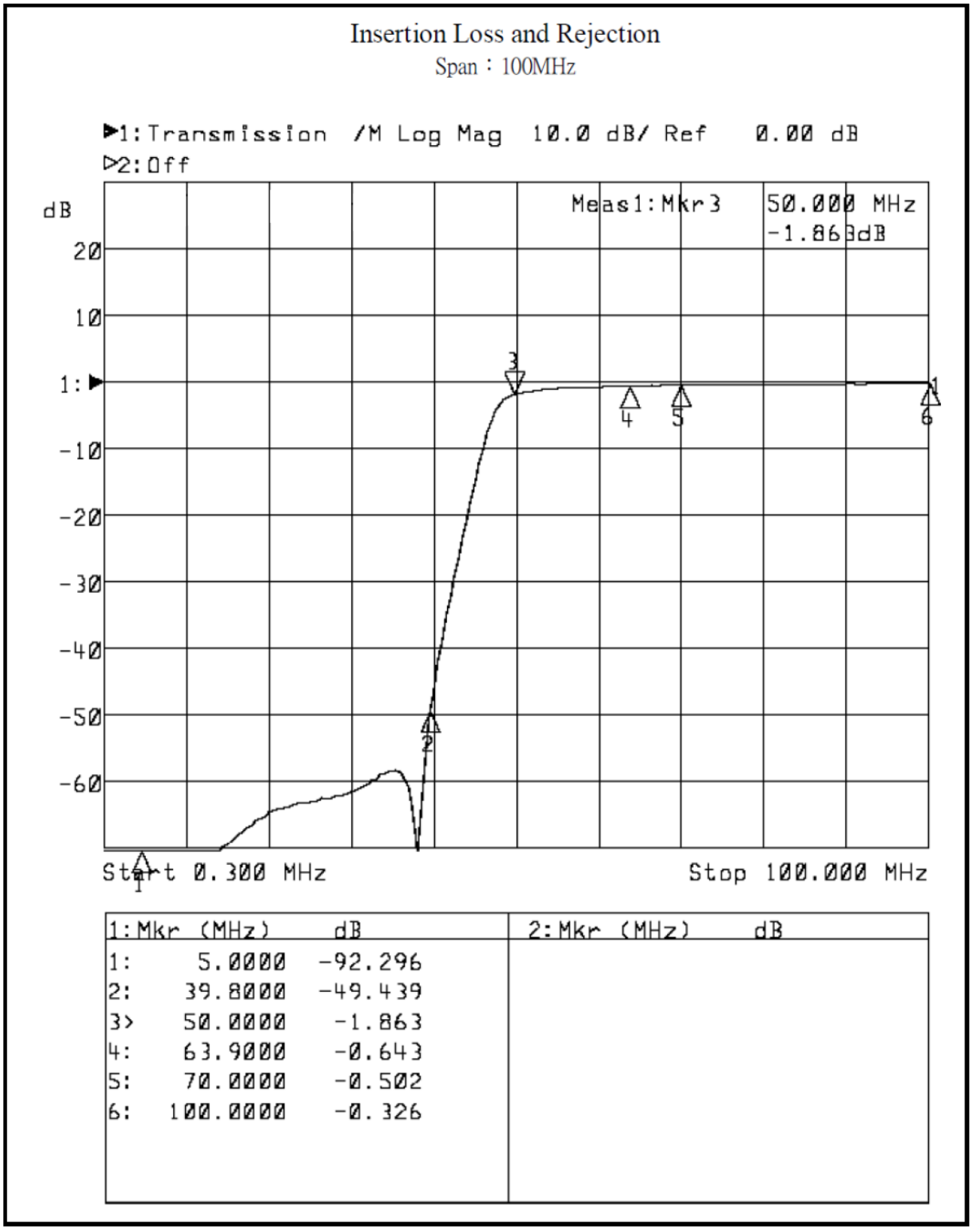
ITEM	DESCRIPTION	UNIT
RoHS Complaint	Yes	
Housing Material	Copper	
Waterproof	Yes	
Connector	75Ω “F” type Male and Female	
Connector Screw Thread	3/8"-32UNF	inch
Dimensions	13(Ø) ×40.5(L)	mm
Net Weight	18	g

* Patented Housing



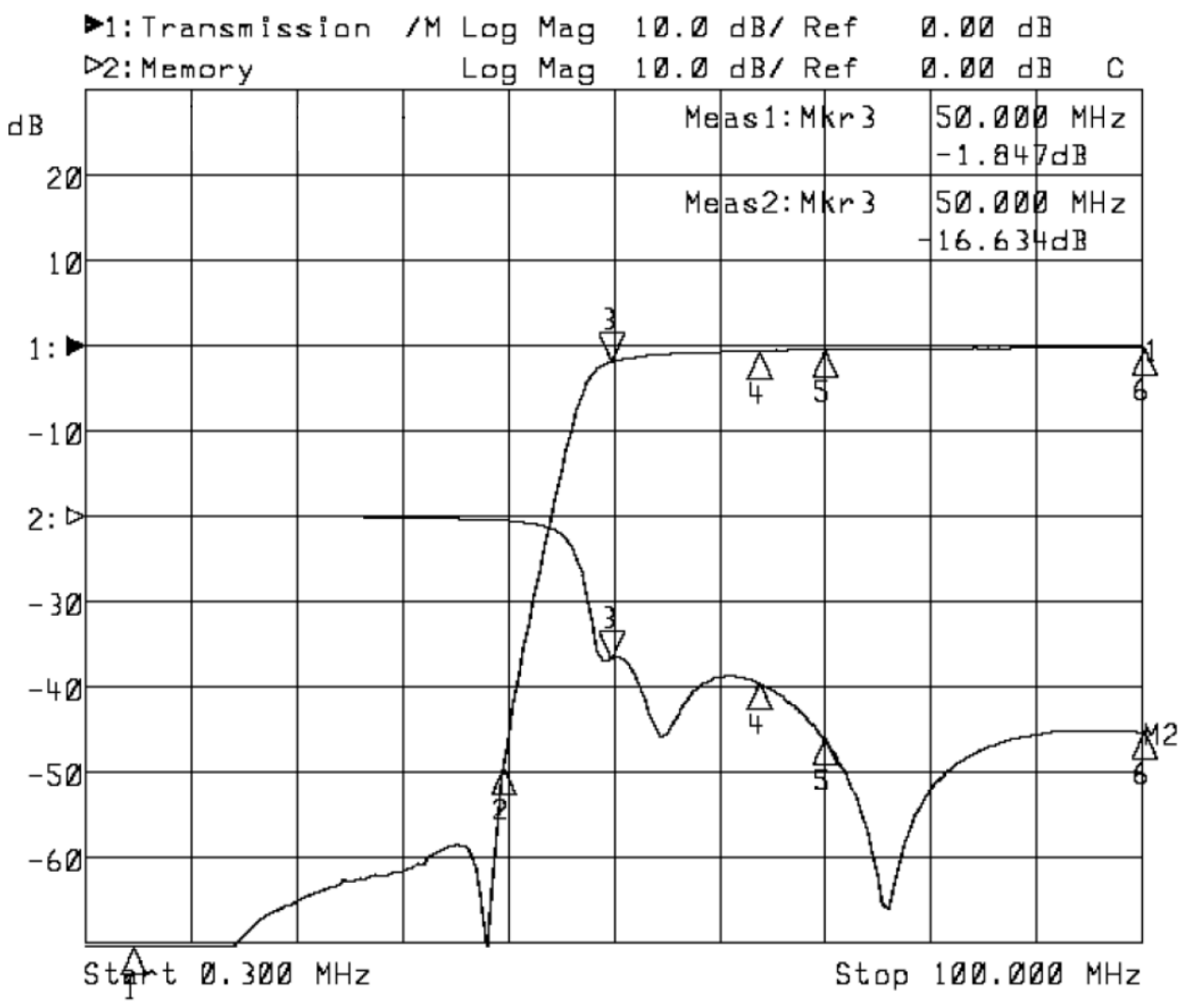
Marking:
FN-3384
Date Code

4. Plots:


Insertion Loss and Rejection
Span : 100MHz
▶1: Transmission /M Log Mag 10.0 dB/ Ref 0.00 dB
▷2: Off
dB
Meas1: Mkr3 50.000 MHz
-1.863dB
20
10
1: ▶
-10
-20
-30
-40
-50
-60
Start 0.300 MHz
Stop 100.000 MHz
1: Mkr (MHz) dB
1: 5.0000 -92.296
2: 39.8000 -49.439
3> 50.0000 -1.863
4: 63.9000 -0.643
5: 70.0000 -0.502
6: 100.0000 -0.326
2: Mkr (MHz) dB

Insertion Loss, Return Loss and Rejection

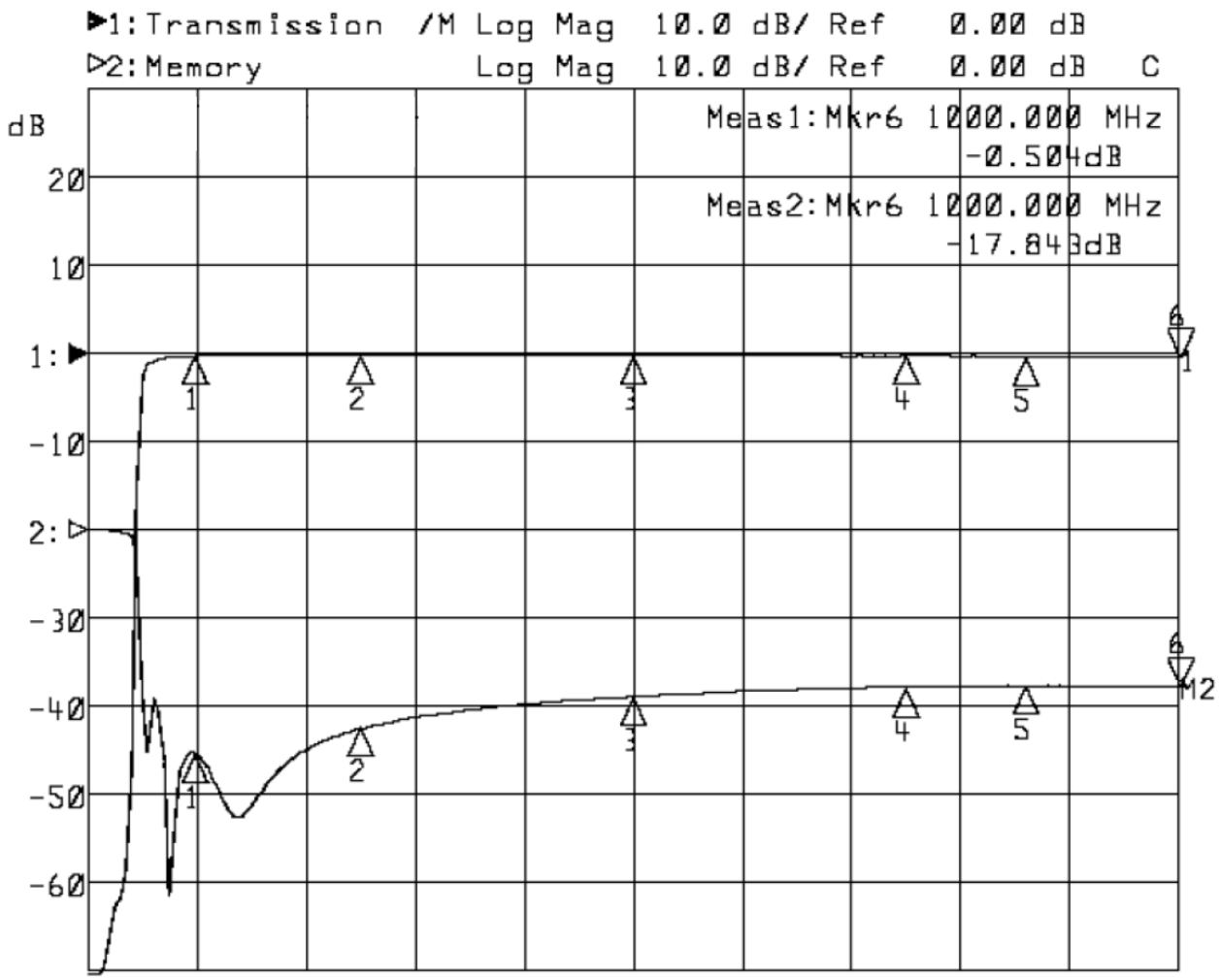
Span：100MHz



1: Mkr (MHz)		dB	2: Mkr (MHz)		dB
1:	5.0000	-101.45			
2:	39.8000	-49.445			
3>	50.0000	-1.847	3>	50.0000	-16.634
4:	63.9000	-0.628	4:	63.9000	-19.616
5:	70.0000	-0.490	5:	70.0000	-26.044
6:	100.0000	-0.256	6:	100.0000	-25.374

Insertion Loss and Rejection

Span : 1000MHz



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 100.0000	-0.317	1: 100.0000	-25.423
2: 250.0000	-0.173	2: 250.0000	-22.605
3: 500.0000	-0.285	3: 500.0000	-18.980
4: 750.0000	-0.347	4: 750.0000	-17.884
5: 860.0000	-0.424	5: 860.0000	-17.757
6> 1000.0000	-0.504	6> 1000.0000	-17.843