

FILTER
SNF2593AS69B
MP Version 1.0

May 25, 2016
Page 1 of 5

SPECIFICATION

For

Customer Approval

CUSTOMER	AIRSPAN NETWORKS INC.
PART NO	AIRSPAN 141-00-310 SAMNOVA SNF2593AS69B
REVISION	MP Version 1.0
ISSUE DATE	MAY 25, 2016
TOTAL PAGES	5 PAGES INCLUDING COVER PAGE
PURPOSE	MASS PRODUCTION APPROVAL
APPROVED BY	

FILTER

SNF2593AS69B

MP Version 1.0

May 25, 2016

Page 2 of 5

1. Description

2496-2690MHz Cavity Filter, RoHS compliant

2. Electrical Specifications

Parameter	Specification
Frequency Range	2496-2690MHz
Bandwidth	194MHz
Insertion Loss	≤1.0dB (Over Temp.)
Passband Ripple	≤0.75dB
Return Loss	≥18dB
Rejection	≥20dB@1-2473MHz ≥100dB@1550-1600MHz ≥20dB@2710-12750MHz ≥74dB@824-2025MHz ≥54dB@2400-2473MHz ≥38dB@4992-5380MHz ≥38dB@7488-8070MHz ≥38dB@9984-10760MHz ≥38dB@12480-13450MHz ≥38dB@14976-16140MHz ≥38dB@17472-18830MHz ≥38dB@19968-21520MHz
Group Delay Variation in Passband	≤40ns
Power	OFDM RMS power of 50W and peak power of 400W due to PAPR of 9dB
Input & Output Impedance	50Ω
Operating Temperature	-40 to +85°C
Lightening Surge	Max 6kV Pulsed
Connectors	SMA-F, SMP(DC-6GHz)
Color	Blue

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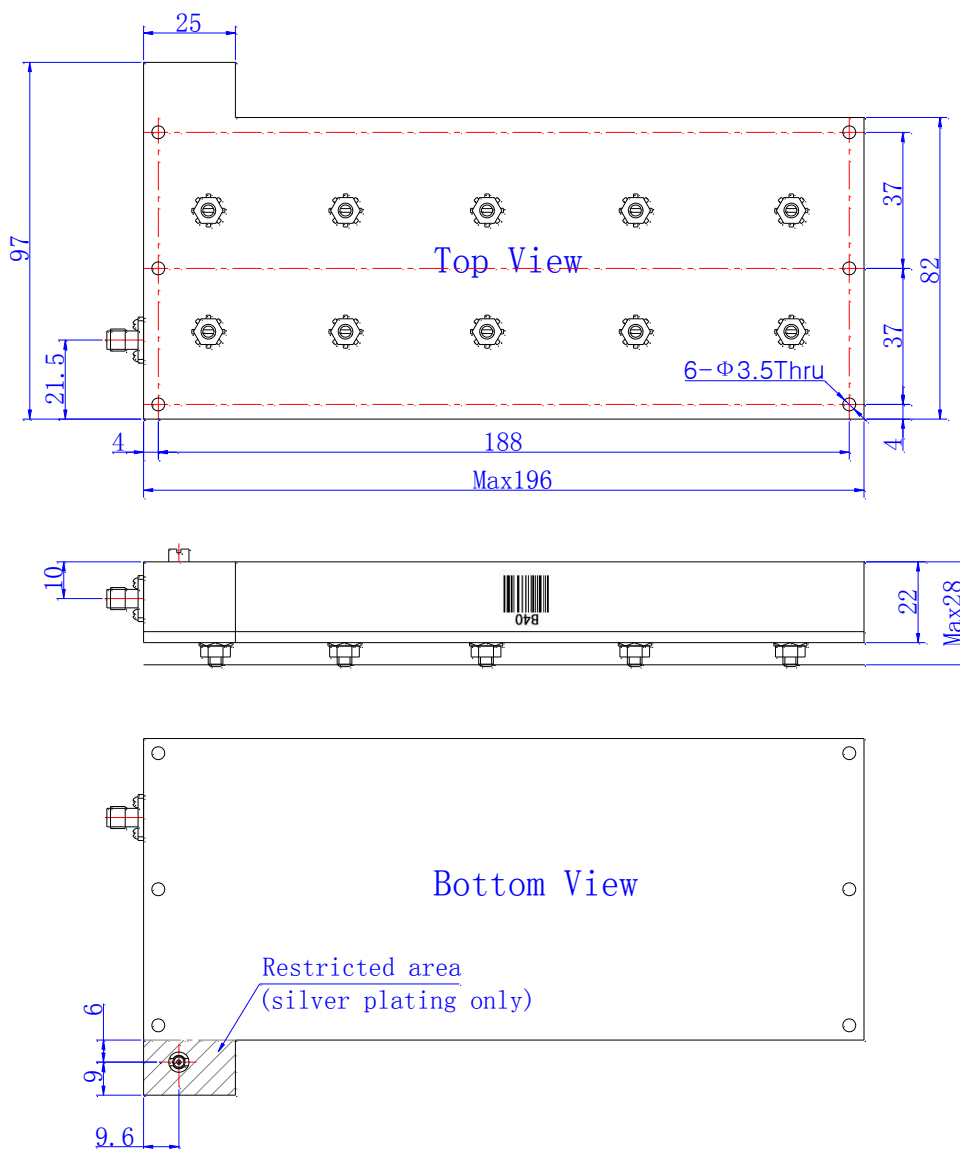
SNF2593AS69B

MP Version 1.0

May 25, 2016

Page 3 of 5

3. Mechanical Specification(Unit : mm)



FILTER

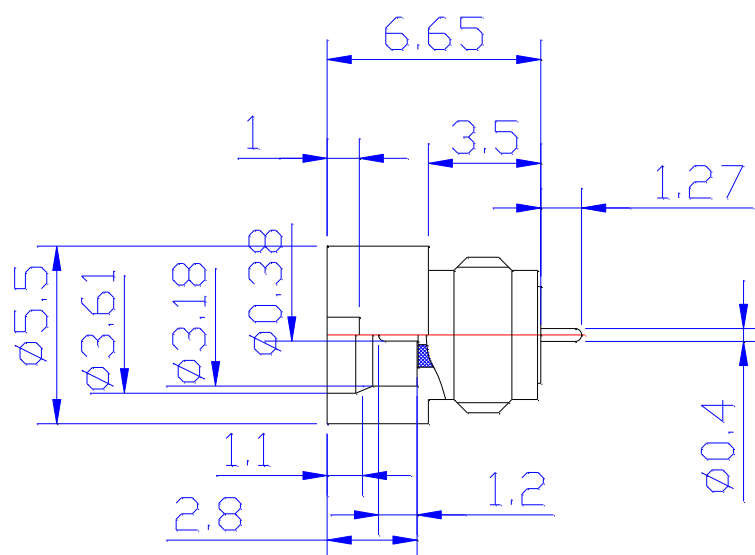
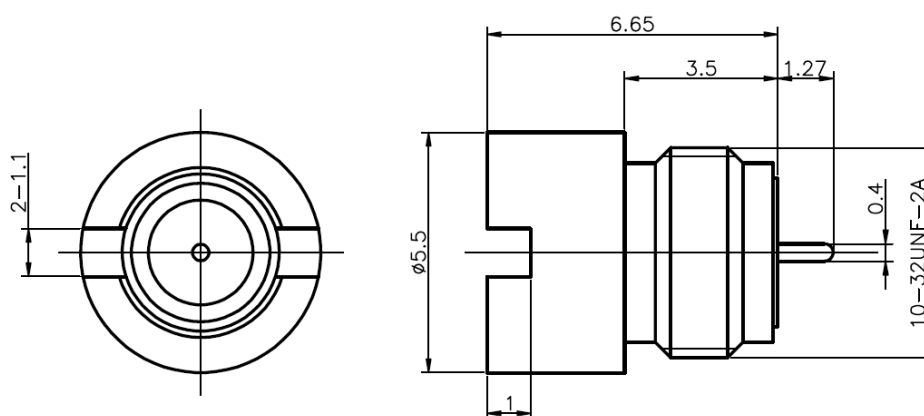
SNF2593AS69B

MP Version 1.0

May 25, 2016

Page 4 of 5

SMP Connector



FILTER

SNF2593AS69B

MP Version 1.0

May 25, 2016

Page 5 of 5

4. Revision history

Date	Revision	Changes
2016-05-25	1.0	Issue of Mass Production Approval Version 1.0