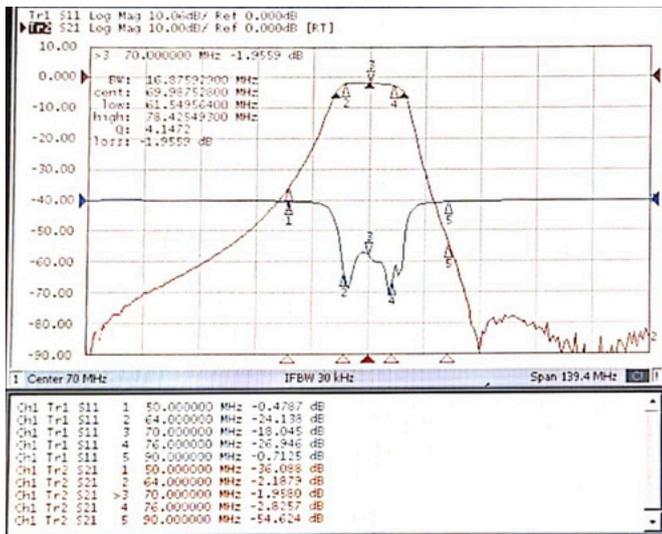


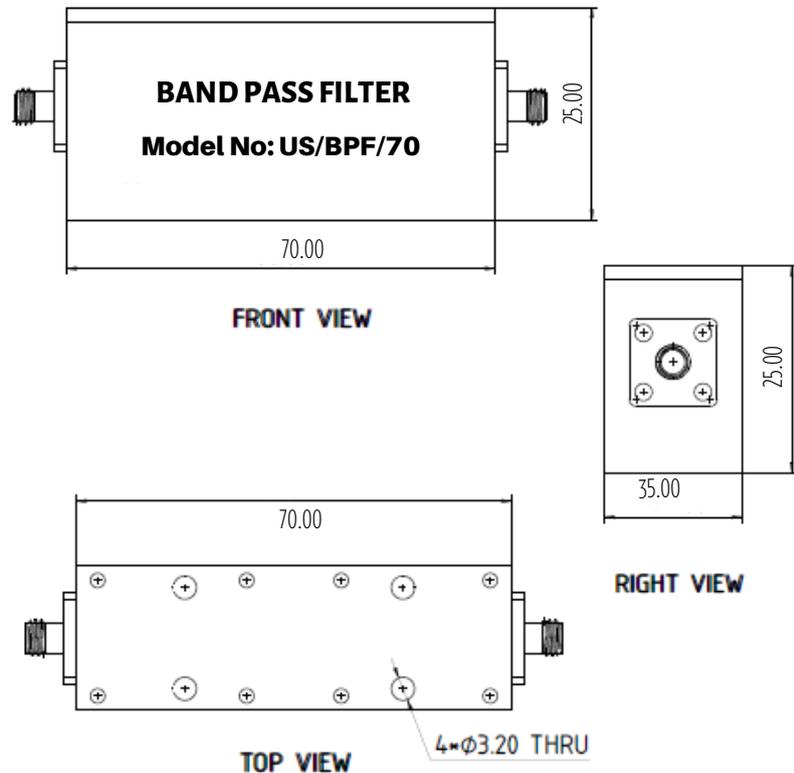
Specifications

Electrical Characteristics	
Center Frequency (Fo)	70 MHz
Pass Band Bandwidth	12 MHz (64 to 76 MHz)
Pass Band Insertion Loss	3 dB @ 70 MHz
Pass Band Return Loss	≥ 17 dB
Pass Band Group Delay Variation	≤ 70 ns
Stop Band rejection	≥ 35 dB @ DC - 50 MHz ≥ 35 dB @ 90 MHz
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 °C
Dimensions	70 x 35 x 25mm. approx.

Test Results



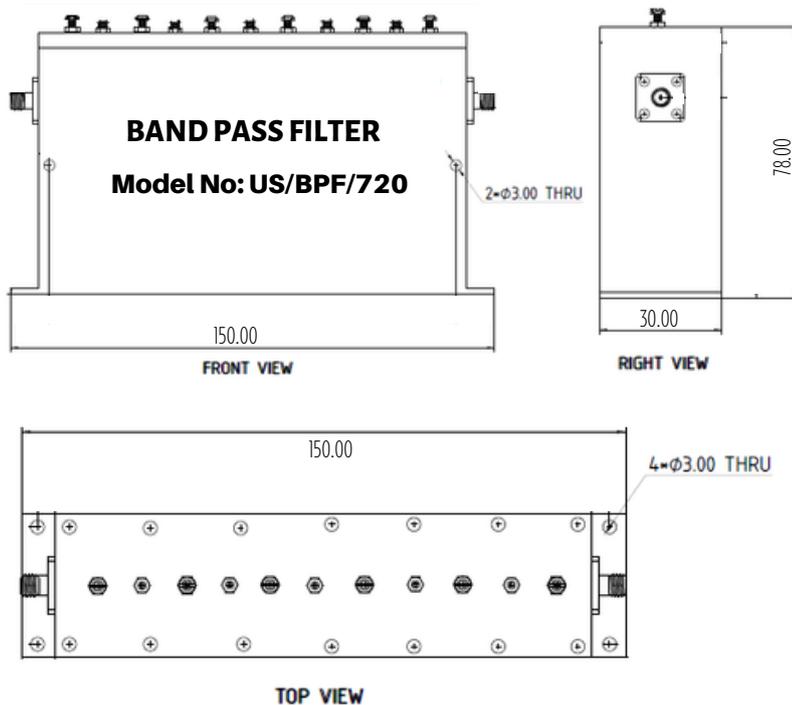
Mechanical Drawing



Specifications

Electrical Characteristics	
Center Frequency (Fo)	720 MHz
Pass Band Bandwidth	10 MHz (710 to 730 MHz)
Pass Band Insertion Loss	3 dB @ 720 MHz
Pass Band Return Loss	≥ 18 dB
Pass Band Flatness	1.0 dB max.
Stop Band rejection	≥ 65 dB @ 650 MHz ≥ 60 dB @ 790 MHz
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 °C
Dimensions	150 x 30 x 78 mm approx.

Mechanical Drawing



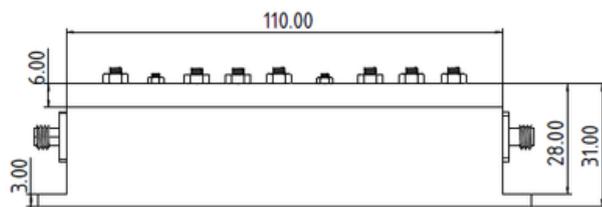
Test Results



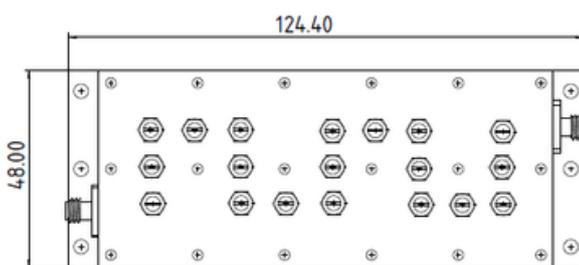
Specifications

Electrical Characteristics	
Pass Band Frequency	2200 - 2300 MHz
Center Frequency (Fo)	2250 MHz
Insertion Loss at Center Frequency (Fo)	3.5 dB max.
Input / Output ports Return loss	≥ 18 dB
Stop Band Rejection	≥ 35 dB @ 2160 MHz and ≥ 55 dB @ 2340 MHz
Input / Output ports Impedance	50 Ohms
Power Handling	1 Watts max.
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 °C
Dimensions (L X W X H)	110 x 48 x 31 mm approx.

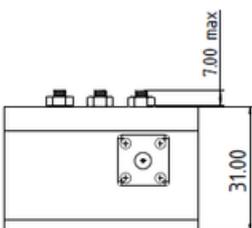
Mechanical Drawing



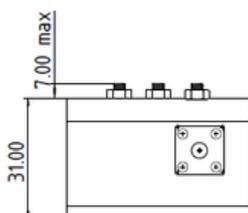
FRONT VIEW



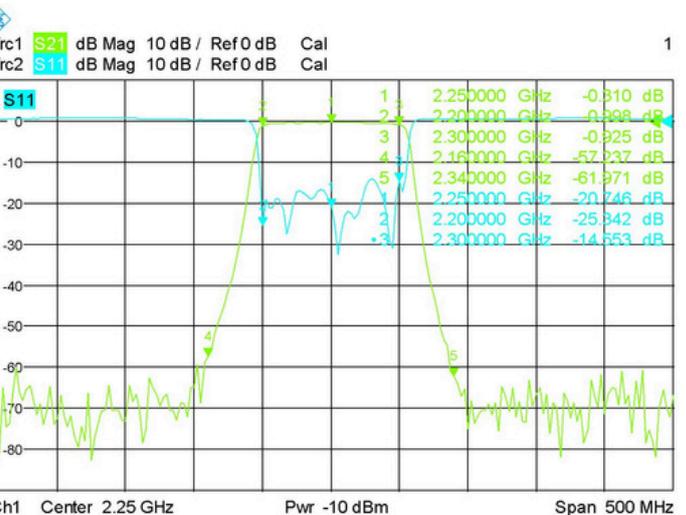
TOP VIEW



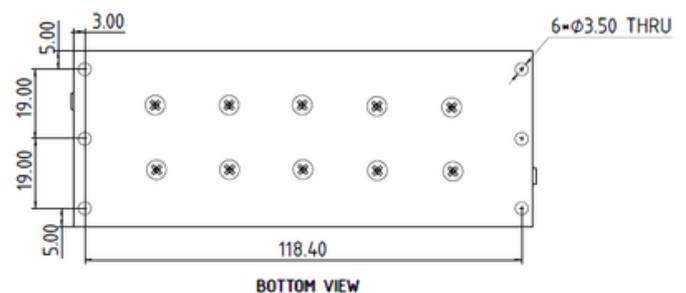
RIGHT VIEW



LEFT VIEW



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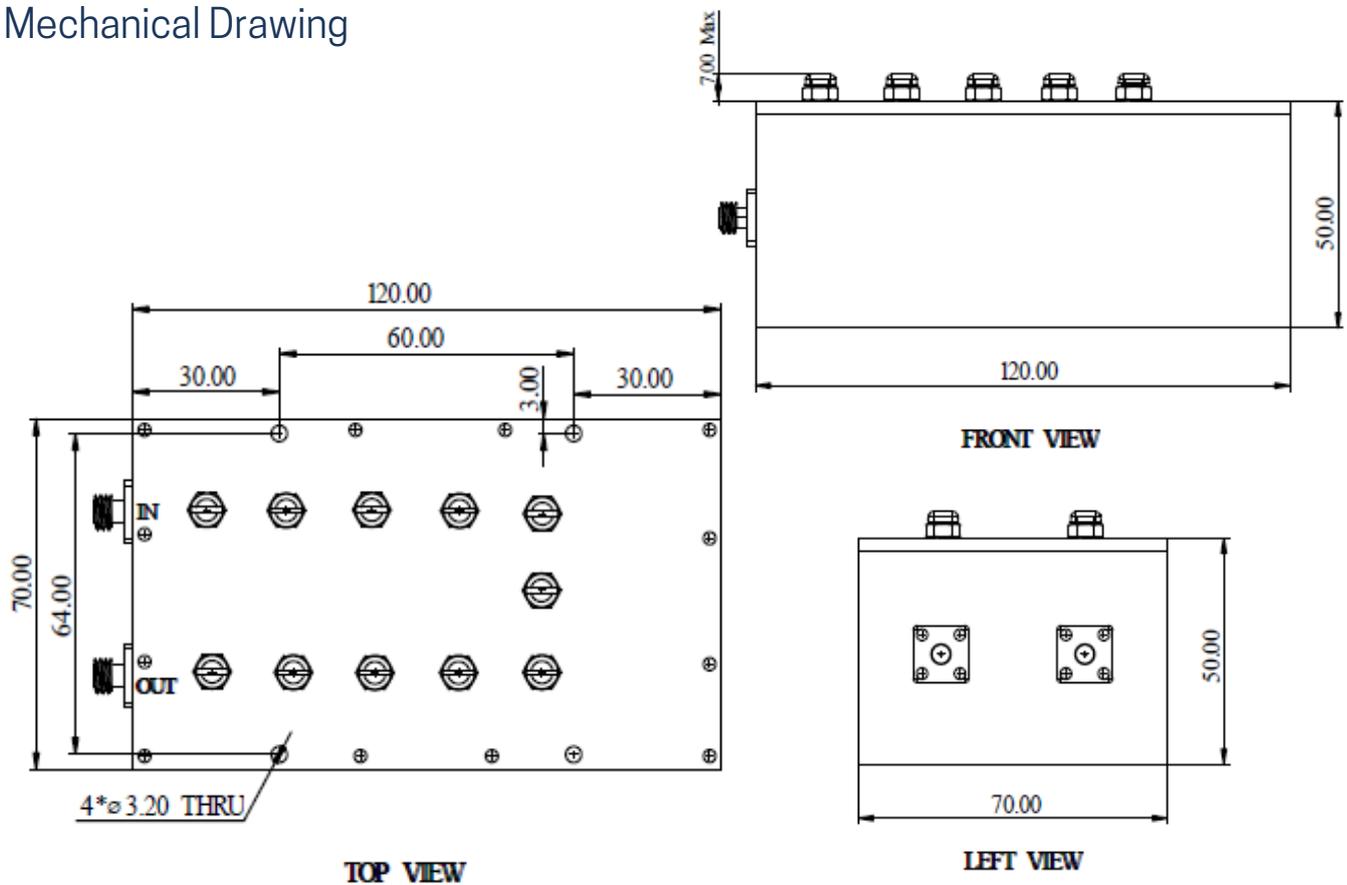
BOTTOM VIEW



Specifications

Electrical Characteristics	
Pass Band Frequency	1535.42 - 1615.42 MHz
Center Frequency (Fc)	1575.42 MHz
Insertion Loss at Center Frequency (Fc)	1.0 dB max.
Input / Output ports Return loss	≥ 18 dB
Ripple	0.5 dB max. @ Fc ± 12 MHz and 1.0 dB max. @ Fc ± 20 MHz
Rejection @ Fc ± 40.92MHz	≥ 50 dB
Group Delay over the band of Fc ± 12 MHz	5 ns max.
Input / Output ports Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Temperature Range	15 - 45 ° C
Dimensions (L X W X H)	120 x 70 x 50 mm approx.

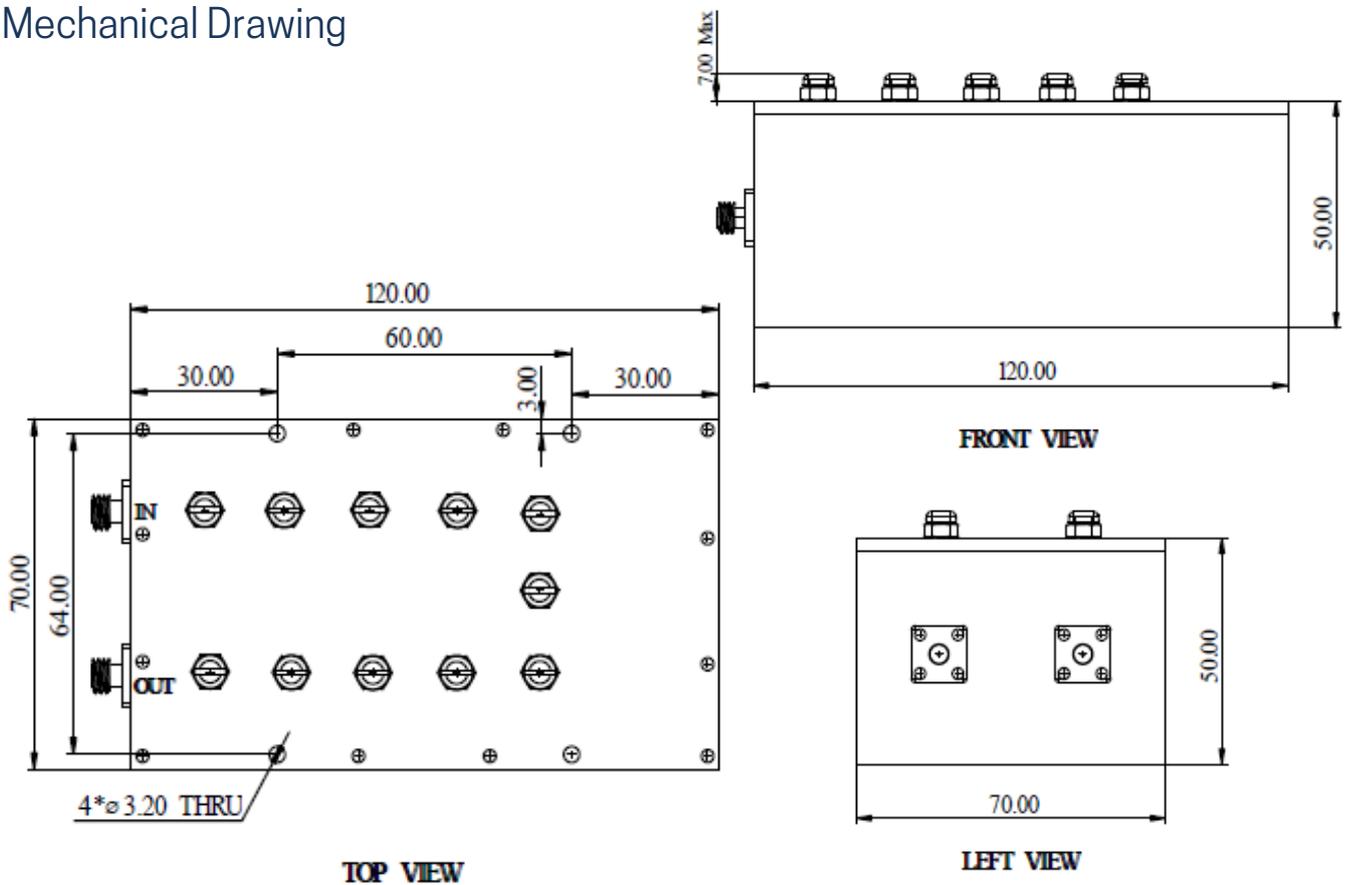
Mechanical Drawing



Specifications

Electrical Characteristics	
Pass Band Frequency	1203.6 - 1251.6 MHz
Center Frequency (Fc)	1227.6 MHz
Insertion Loss at Center Frequency (Fc)	1.0 dB max.
Input / Output ports Return loss	≥ 18 dB
Bandpass Flatness Fc ± 12 MHz	1.0 dB max.
Rejection @ Fc ± 40.92MHz	≥ 50 dB
Group Delay over the band of Fc ± 12 MHz	5 ns max.
Input / Output ports Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Temperature Range	15 - 45 ° C
Dimensions (L X W X H)	120 x 70 x 50 mm approx.

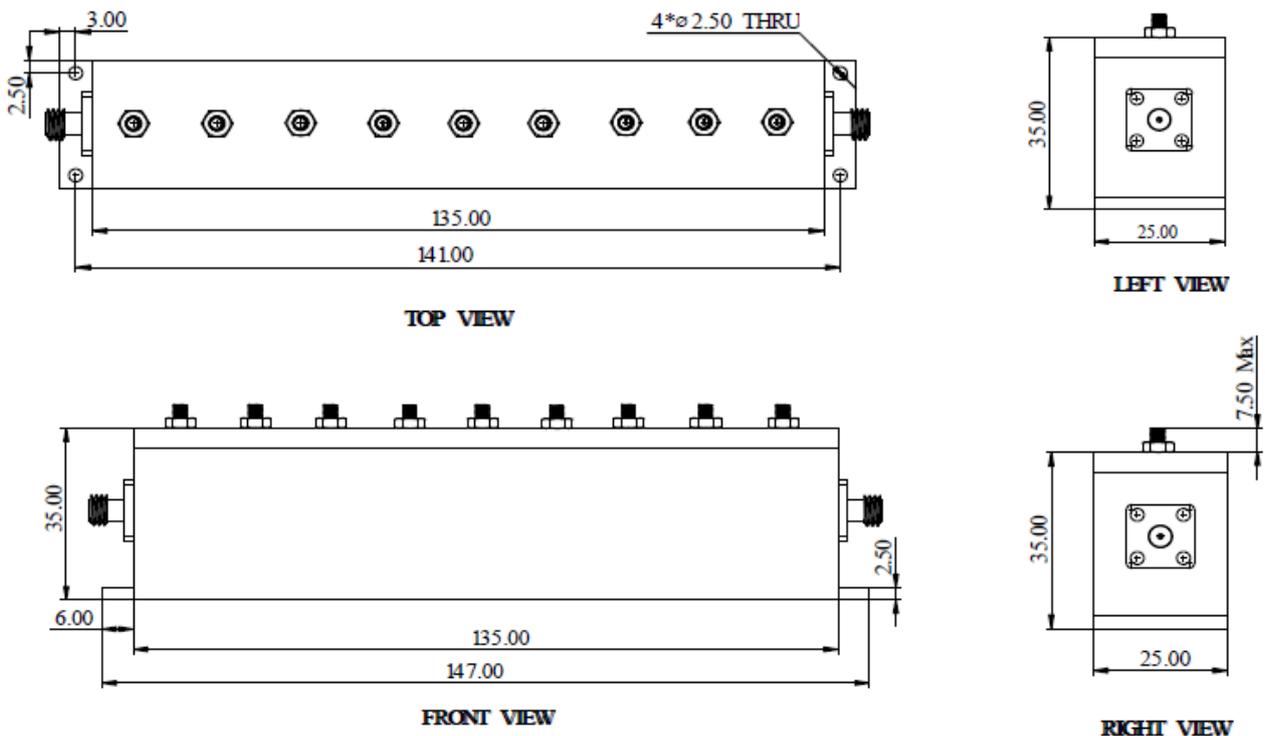
Mechanical Drawing



Specifications

Electrical Characteristics	
Center Frequency (Fc)	1830 MHz
Pass Band Bandwidth	160 MHz (1670 to 1990 MHz)
Pass Band Insertion Loss	2.5 dB max. @ 1830 MHz
Input/Output Return Loss	≥ 17 dB
Pass Band Group Delay Variation	≤ 5 ns
Stop Band rejection	≥ 25 dB @ ±240 MHz ≥ 45 dB @ ±320 MHz
Bandpass Flatness	± 1dB max.
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	10 - 50 ° C
Dimensions	135 x 35 x 25mm. approx.

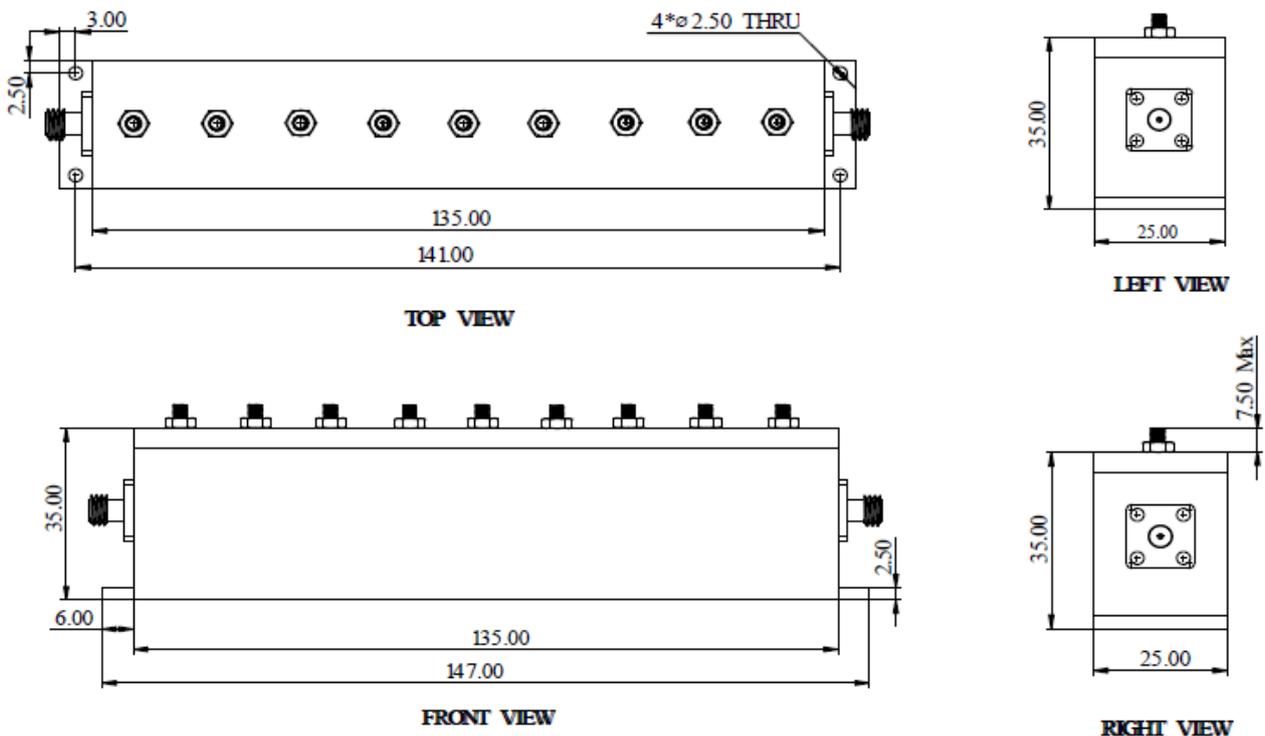
Mechanical Drawing



Specifications

Electrical Characteristics	
Center Frequency (Fc)	2310 MHz
Pass Band Bandwidth	160 MHz (1670 to 1990 MHz)
Pass Band Insertion Loss	2.5 dB max. @ 2310 MHz
Input/Output Return Loss	≥ 17 dB
Pass Band Group Delay Variation	≤ 5 ns
Stop Band rejection	≥ 25 dB @ ±240 MHz ≥ 45 dB @ ±320 MHz
Bandpass Flatness	± 1dB max.
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	10 - 40 ° C
Dimensions	135 x 35 x 25mm. approx.

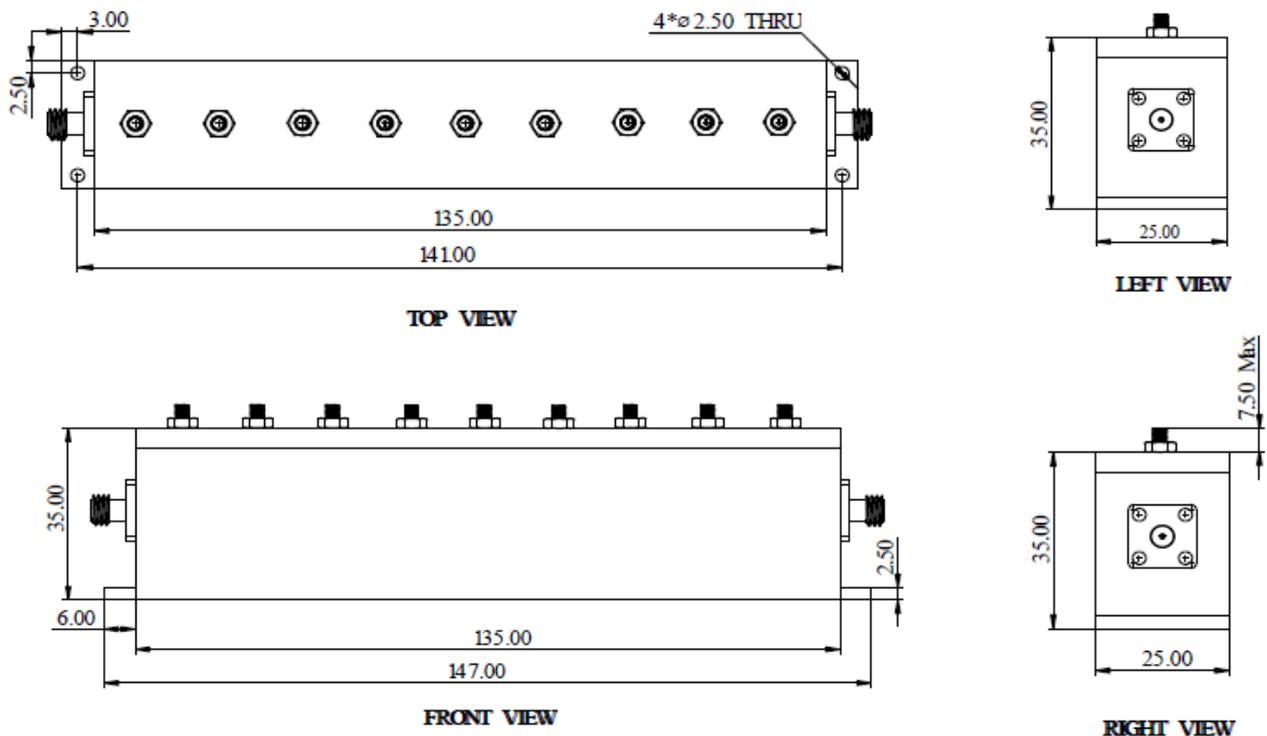
Mechanical Drawing



Specifications

Electrical Characteristics	
Center Frequency (Fc)	2790 MHz
Pass Band Bandwidth	160 MHz (1670 to 1990 MHz)
Pass Band Insertion Loss	2.5 dB max. @ 2790 MHz
Input/Output Return Loss	≥ 17 dB
Pass Band Group Delay Variation	≤ 5 ns
Stop Band rejection	≥ 25 dB @ ±240 MHz ≥ 45 dB @ ±320 MHz
Bandpass Flatness	± 1dB max.
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	10 - 40 ° C
Dimensions	135 x 35 x 25mm. approx.

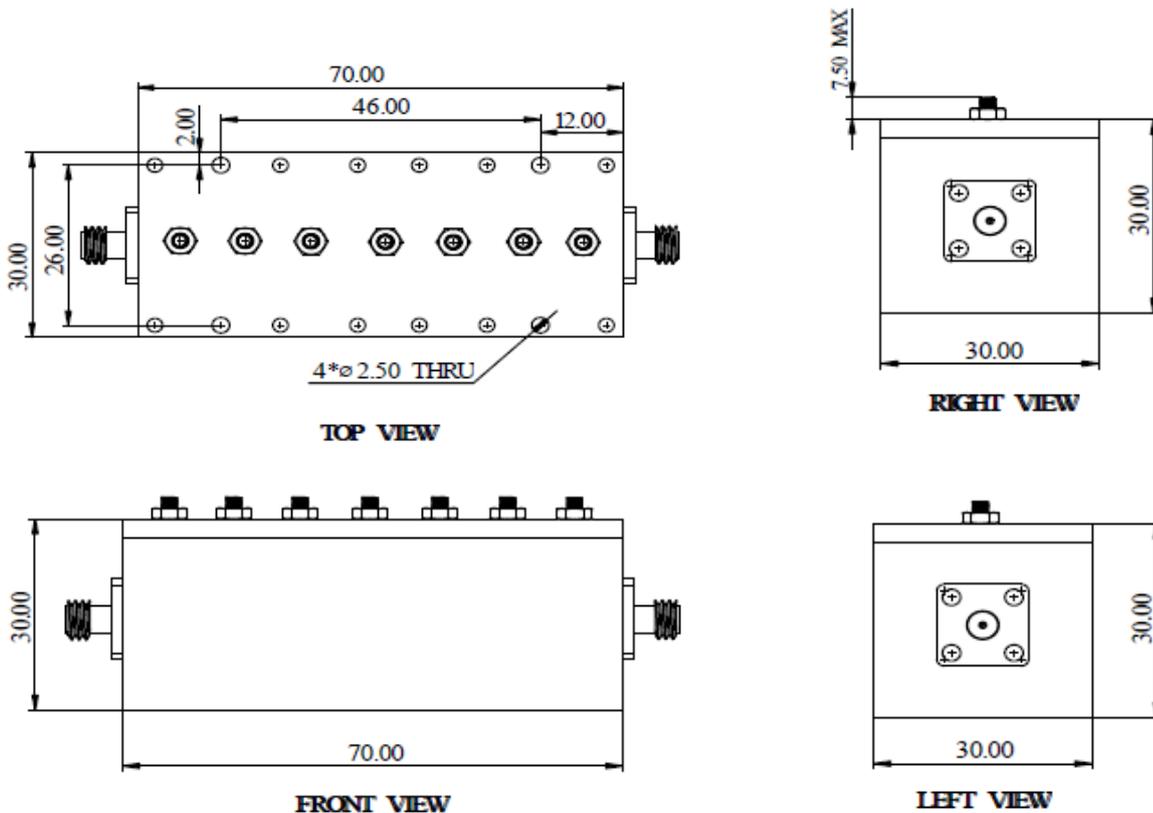
Mechanical Drawing



Specifications

Electrical Characteristics	
Passband Frequency Range	8.0GHz to 8.5GHz
Passband Insertion Loss	1.5 dB max.
Pass Band Group Delay Variation	≤ 2 ns max.
VSWR	1.4:1 typ.
Stop Band rejection	≥ 50dB @ 6 GHz and 10 GHz
Input / Output Impedance	50 Ohms
Power Handling	0.5W (CW)
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 °C
Dimensions	70 x 30 x 30mm. approx.

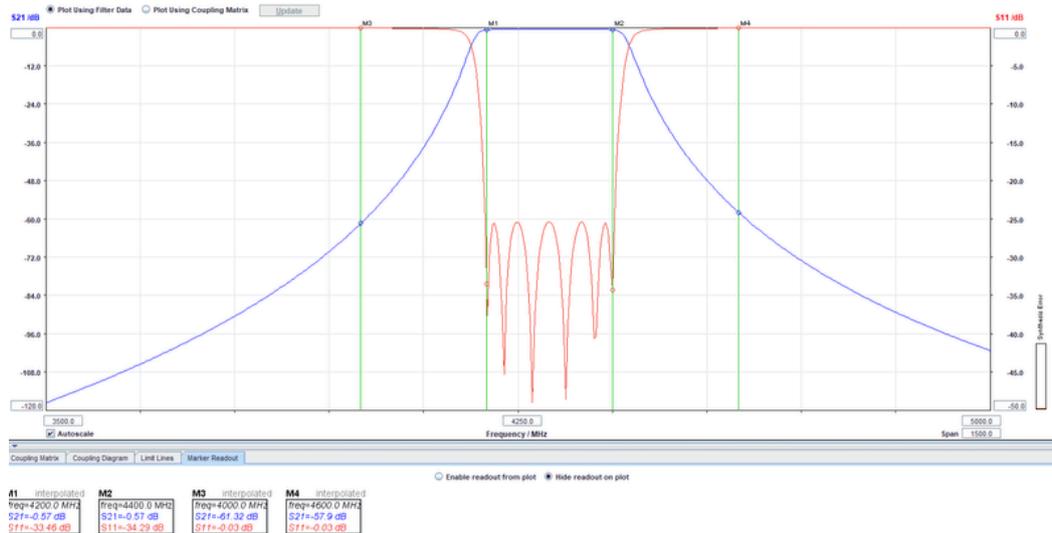
Mechanical Drawing



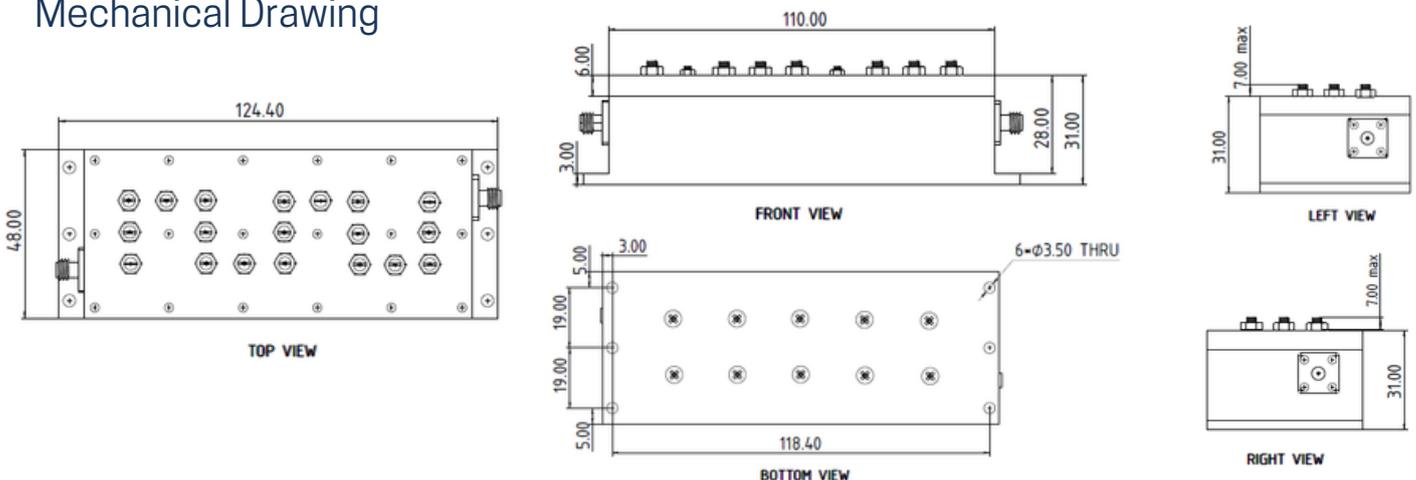
Specifications

Electrical Characteristics	
Pass Band Frequency	4200 - 4400 MHz
Pass Band Flatness	< 0.5dB
Insertion Loss at Center Frequency (Fo)	1 dB max.
Input / Output ports Return loss	≥ 13 dB
Stop Band Rejection	≥ 55 dB @ 10 MHz to 3800MHz ≥ 60 dB @ 4000 MHz ≥ 60 dB @ 4600 MHz to 7000MHz ≥ 55 dB @ 4600 MHz
Input / Output ports Impedance	50 Ohms
Power Handling	1 Watts min.
Input / Output Connectors	SMA-Female
Temperature Range	-20 to + 76 ° C
Dimensions (L X W X H)	124.4 x 48 x 31 mm max.

Test Results



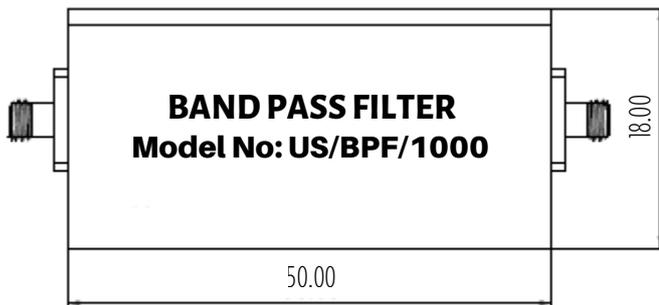
Mechanical Drawing



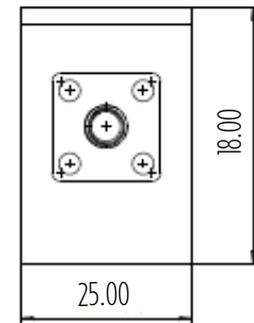
Specifications

Electrical Characteristics	
Pass Band Frequency	DC - 1000MHz
Pass Band Insertion Loss	1dB max.
Pass Band Return Loss	≥ 20dB
Pass Band Group Delay Variation	≤ 1ns
Stop Band rejection	30dB min. at F > 3GHz 60dB min. at F > 6GHz
Input / Output Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Temperature Range	-20 to 70 °C
Dimensions	50 x 25 x 15mm. approx.

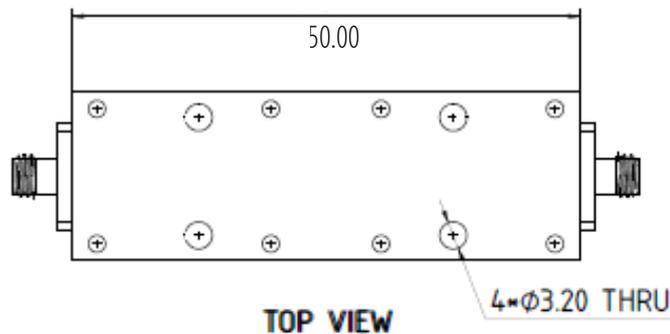
Mechanical Drawing



FRONT VIEW



RIGHT VIEW



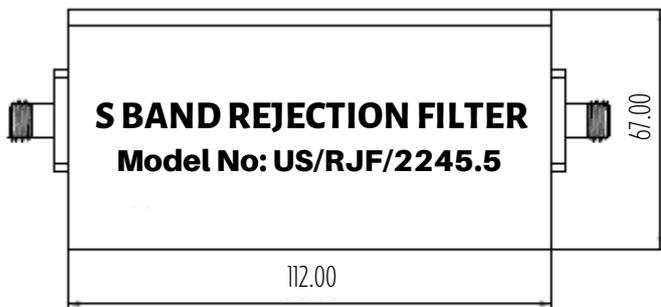
TOP VIEW



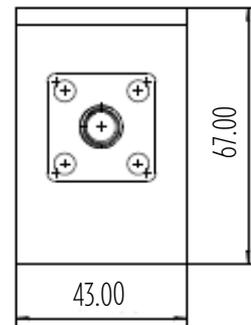
Specifications

Electrical Characteristics	
Frequency Range	2200 - 2291MHz
Pass Band Attenuation	< 0.9dB
Stop Band rejection	≥ 30 dB @ < 2180 MHz & >2302 MHz ≥ 70 dB @ < 2120 MHz & >2380 MHz
Input / Output VSWR	1.4:1
Input / Output Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Dimensions	112x67x43mm. approx.
Enclosure	Weather Proof (IP65)

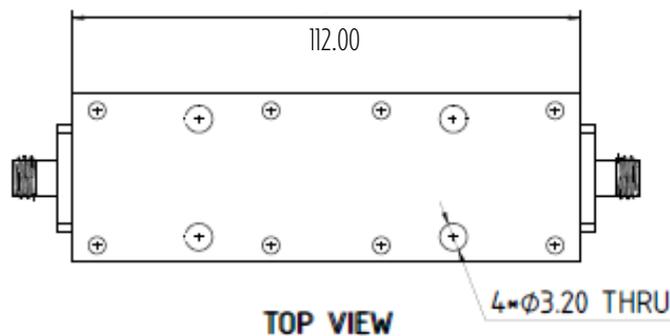
Mechanical Drawing



FRONT VIEW



RIGHT VIEW



TOP VIEW

Applications



Aerospace



Defence



Satcom



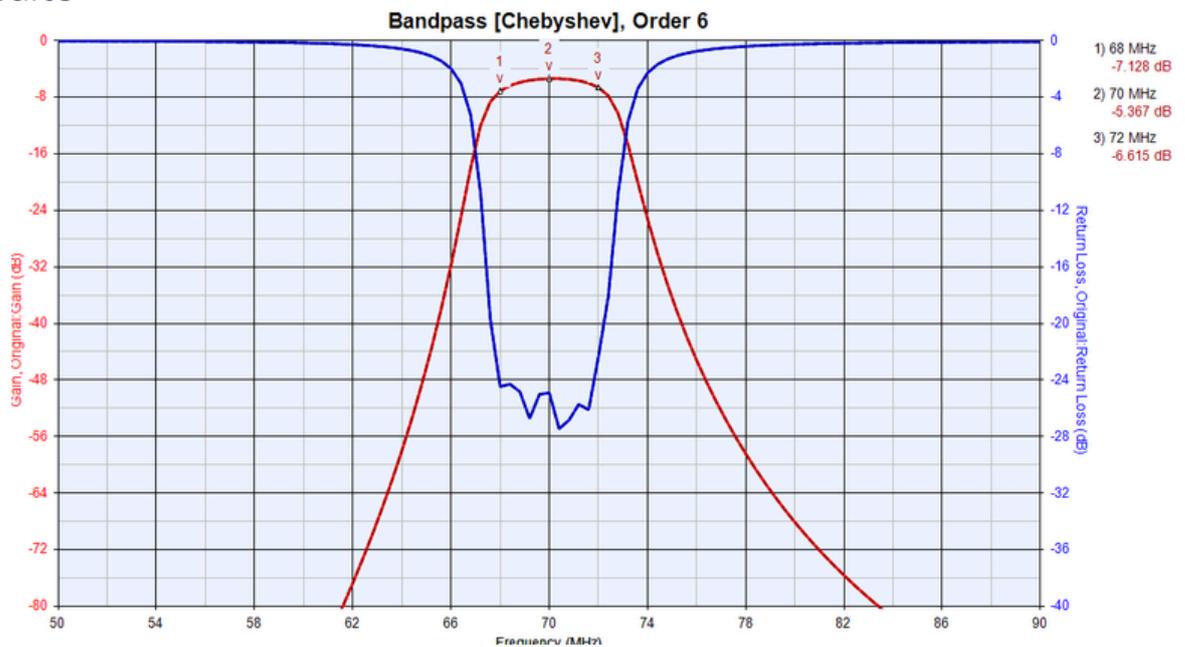
Broad Casting



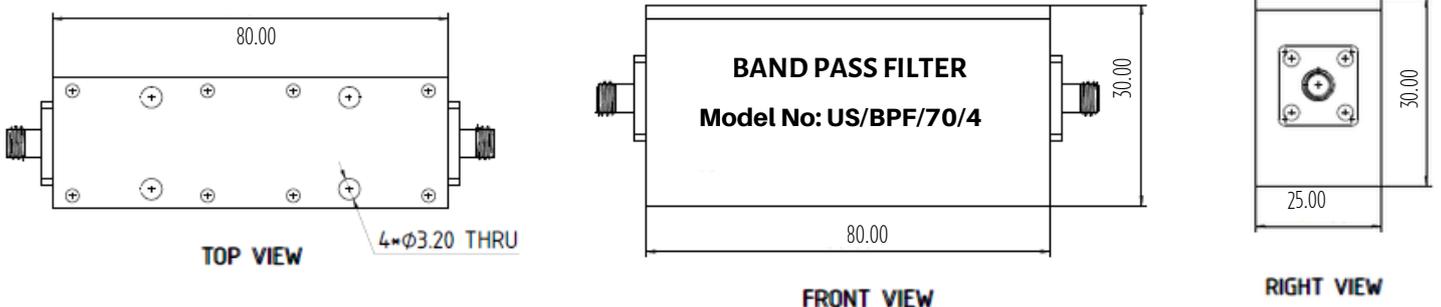
Specifications

Electrical Characteristics	
Center Frequency (Fo)	70 MHz
Pass Band Bandwidth	4 MHz (68MHz to 72 MHz)
Pass Band Insertion Loss	7dB Max
Pass Band Return Loss	≥ 14 dB
Pass Band flatness	+/- 0.5dB
Stop Band rejection	≥ 70dB @ 62 MHz min ≥ 50dB @ 77MHz Min
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 ° C
Dimensions	80 x 30 x 25mm. approx.

Test Results



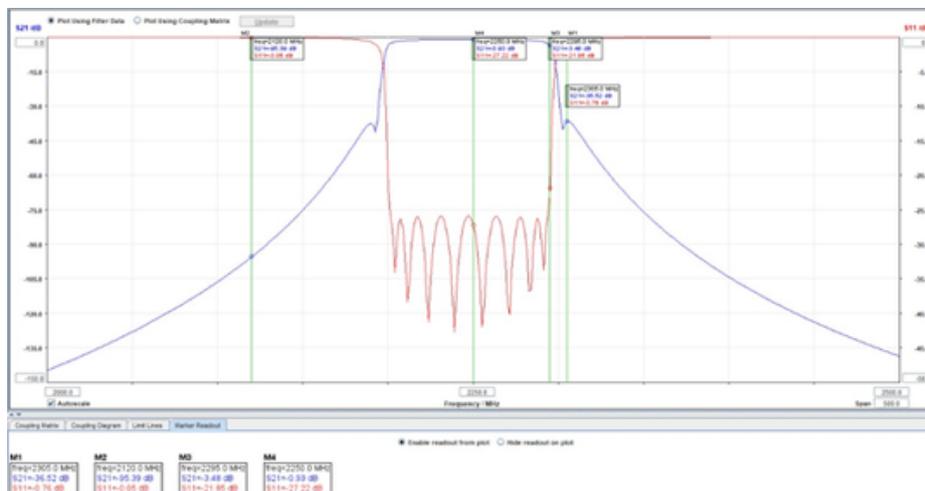
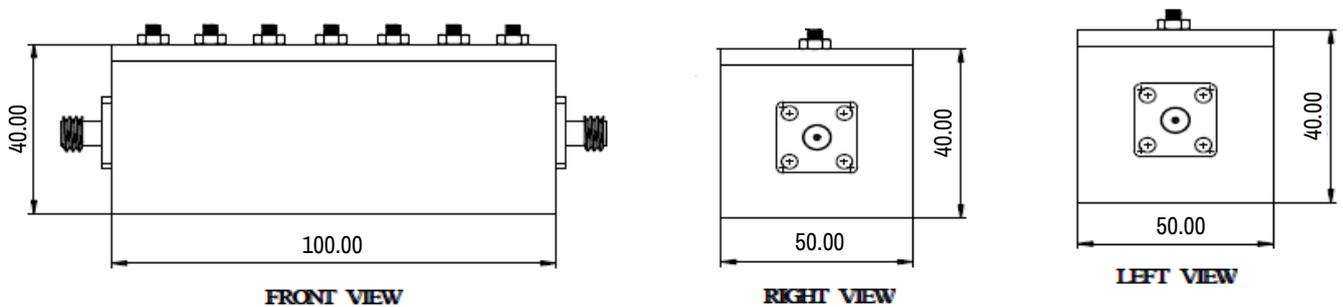
Mechanical Drawing



Specifications

Electrical Characteristics	
Passband Frequency Range	2200 MHz to 2295 MHz
Passband Insertion Loss	0.8 dB max @ 2200 MHz -2290 MHz 1.2 dB max @ 2290 MHz -2295 MHz
Pass Band Ripple	0.6dB max
Notch frequency	30dB min rejection @ 2308 MHz (35dB desirable)
Rejection	80dB min @ 2025MHz to 2120MHz 30dB min @ frequency < 2180MHz 30dB min @ frequency > 2320MHz
Input /Output VSWR	1.35:1
Input /Output Connectors	N Type (M)
Input /Output Impedance	50 Ohms
Power Handling Capacity	2W min (CW)
Operational Temperature	0 to +55 deg. C
Material Finishing	Silver plated Aluminium (Internal) Anti-corrosion grey / black paint (External)
Dimensions	100 (L) x 50 (W) x 40 (H) mm
Enclosure	IP65, Weather sealed Proof

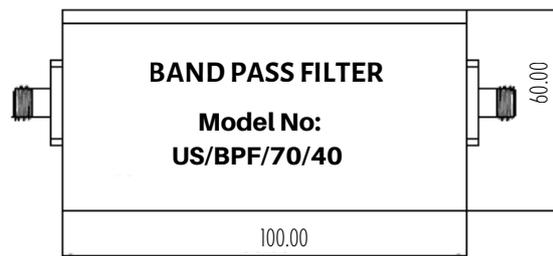
Mechanical Drawing



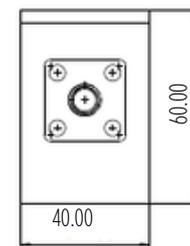
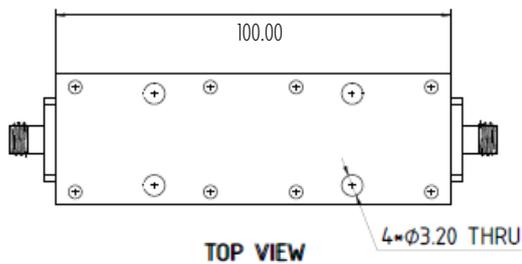
Specifications

Electrical Characteristics	
Center Frequency (Fo)	70 MHz
Pass Band Bandwidth	4 MHz (68MHz to 72 MHz)
Pass Band Insertion Loss	5dB Max
Pass Band Ripple	< 1.0 dB
Stop Band rejection	≥ 40dB @ 70 MHz ± 5MHz
Input / Output VSWR	1.5:1
Input / Output Impedance	50 Ohms
Power Handling	1 Watts
Input / Output Connectors	SMA-Female
Temperature Range	0 - 50 ° C
Dimensions	100 x 60 x 40mm. approx.

Mechanical Drawing



FRONT VIEW



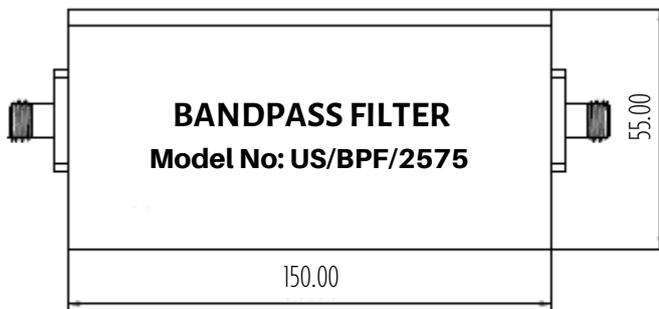
RIGHT VIEW



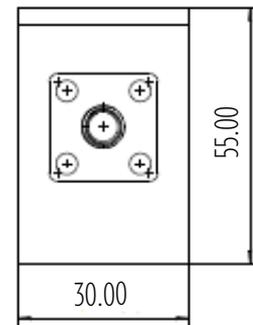
Specifications

Electrical Characteristics	
Frequency Range	2550MHz - 2600MHz
Insertion Loss	≤ 1.2dB
Stop Band rejection	≥ 100 dB @ 2650 MHz
Input / Output VSWR	≤ 1.5:1
Power Handling	≥ 6W
Input / Output Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Dimensions	150mmx55mmx30mm. max.
Enclosure	Weather Proof (IP65)

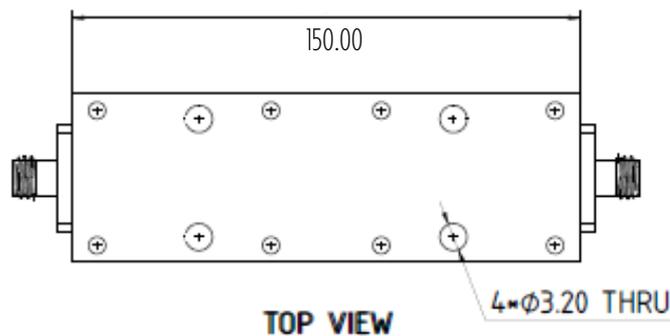
Mechanical Drawing



FRONT VIEW



RIGHT VIEW



TOP VIEW

Applications



Aerospace



Defence



Satcom



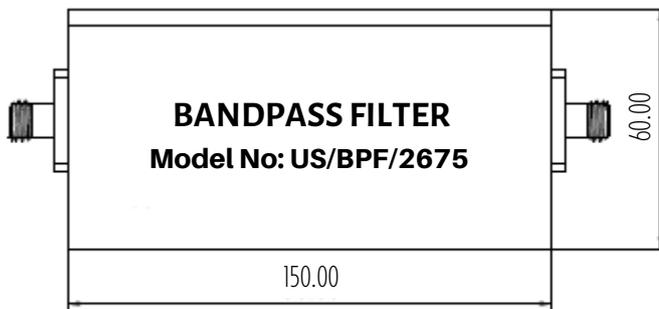
Broad Casting



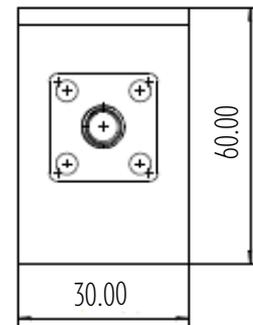
Specifications

Electrical Characteristics	
Frequency Range	2650MHz - 2700MHz
Insertion Loss	≤ 1.2dB
Stop Band rejection	≥ 100 dB @ 2600 MHz
Input / Output VSWR	≤ 1.5:1
Power Handling	≥ 6W
Input / Output Impedance	50 Ohms
Input / Output Connectors	SMA-Female
Dimensions	150mmx60mmx30mm. max.
Enclosure	Weather Proof (IP65)

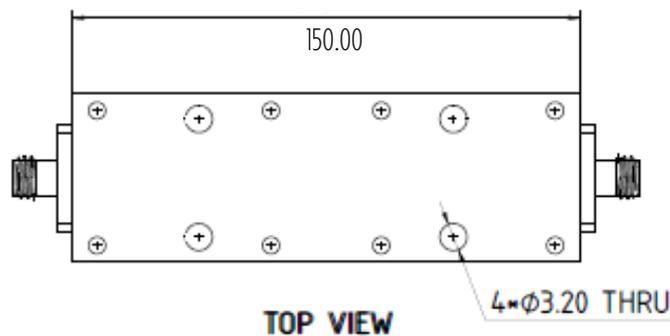
Mechanical Drawing



FRONT VIEW



RIGHT VIEW



TOP VIEW

Applications



Aerospace



Defence



Satcom



Broad Casting

