



□ Electrical Characteristics

Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	SE0			
Length x Width	mm ²	-	9.1 x 7.1	-
Height	mm	-	-	1.8

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	70.00	-
Insertion Loss at Fo	dB	-	10.0	12.0
Group Delay Variation at Fo ± 2.0 MHz	nsec	-	50	100
Absolute Delay at Fo	usec	-	0.88	-
Amplitude Ripple Variation at Fo ± 2.0 MHz	dB _{p-p}	-	0.35	1.0
Bandwidth at -1dB	MHz	-	5.5	-
Bandwidth at -3dB	MHz	6.0	6.4	-
Temperature Coefficient	ppm/°C	-	-94	-
Attenuation (Reference level from minimum Insertion loss)				
Fc-10MHz ~ Fc-6MHz	dB	40	44	-
Fc-6MHz ~ Fc-5.1MHz	dB	25	42	-
Fc+5.1MHz ~ Fc+6MHz	dB	25	40	-
Fc+6MHz ~ Fc+10MHz	dB	40	44	-

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

Those impedances could be modified with different impedance values and/or structures, if necessary.



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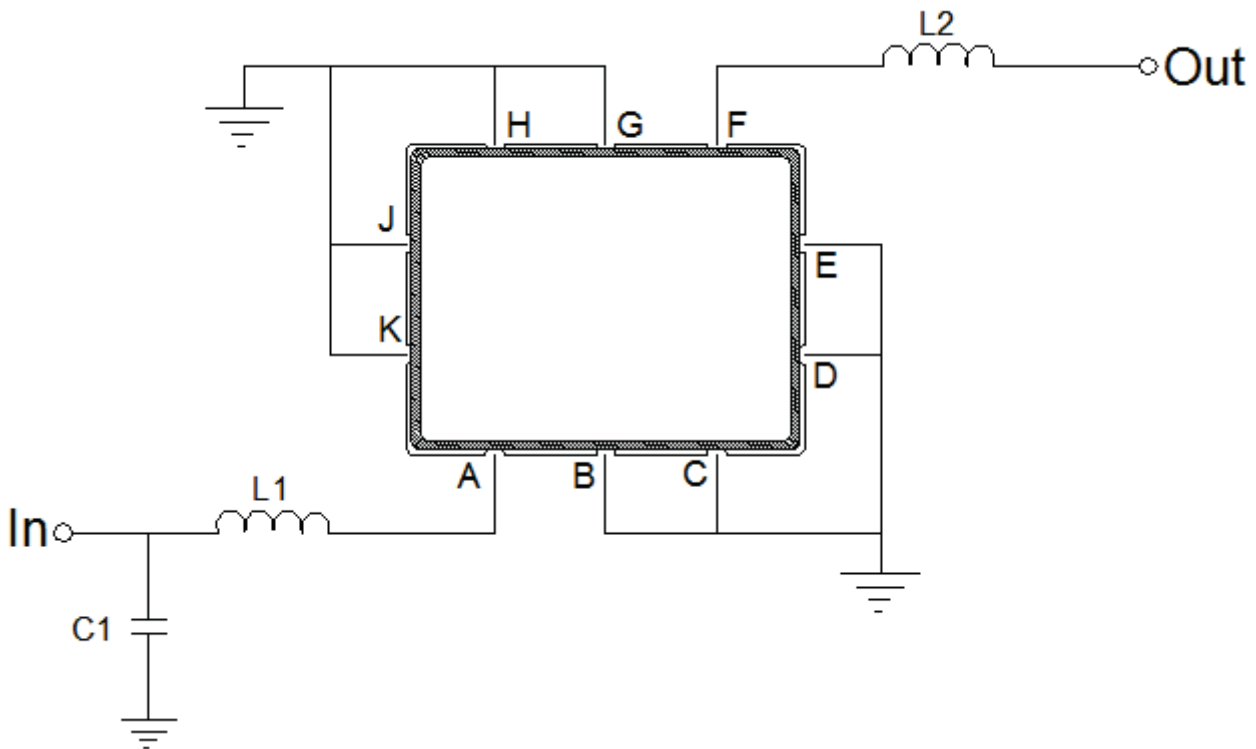
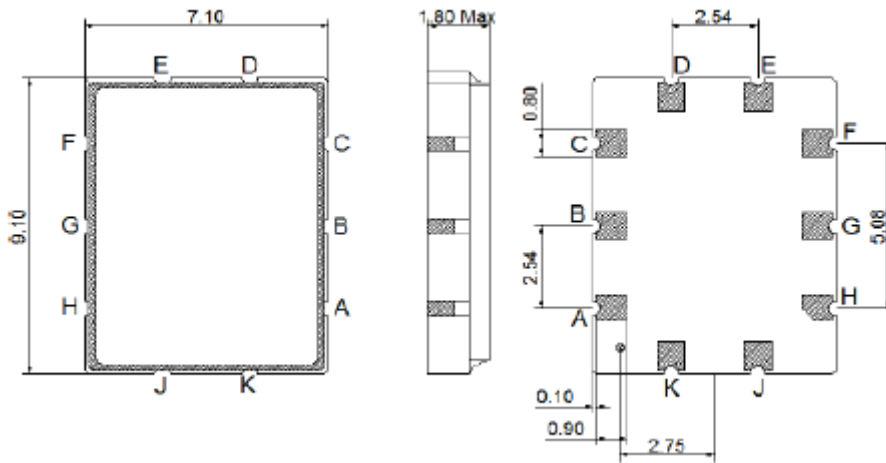
Факс: (495)411-96-09

121357, г. Москва
ул. Верейская д.29

E-mail: butis.m@ru.net

Web: www.butis-m.ru

Package Dimensions



$L1 = 68 \text{ nH}$; $L2 = 68 \text{ nH}$; $C1 = 9 \text{ pF}$

A – In F – Out

B, C, D, E, G, H, J, K –
Ground



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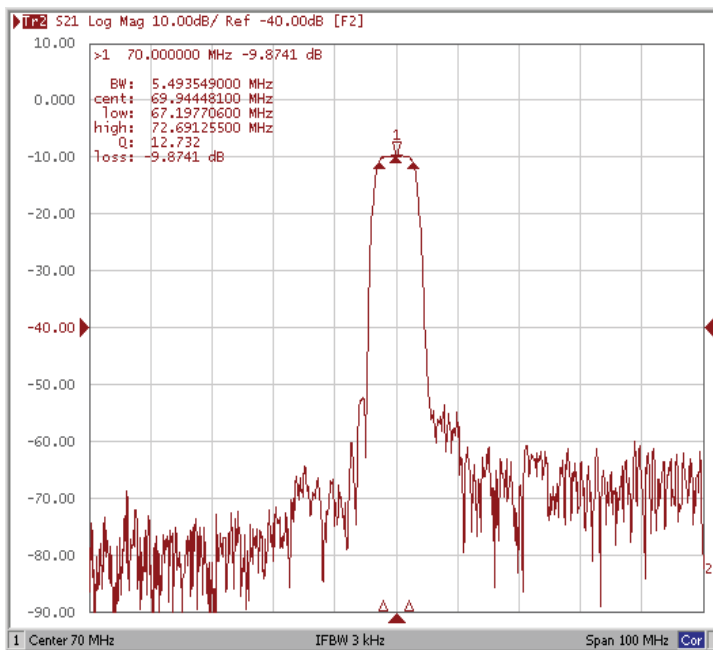
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□ Frequency Characteristics

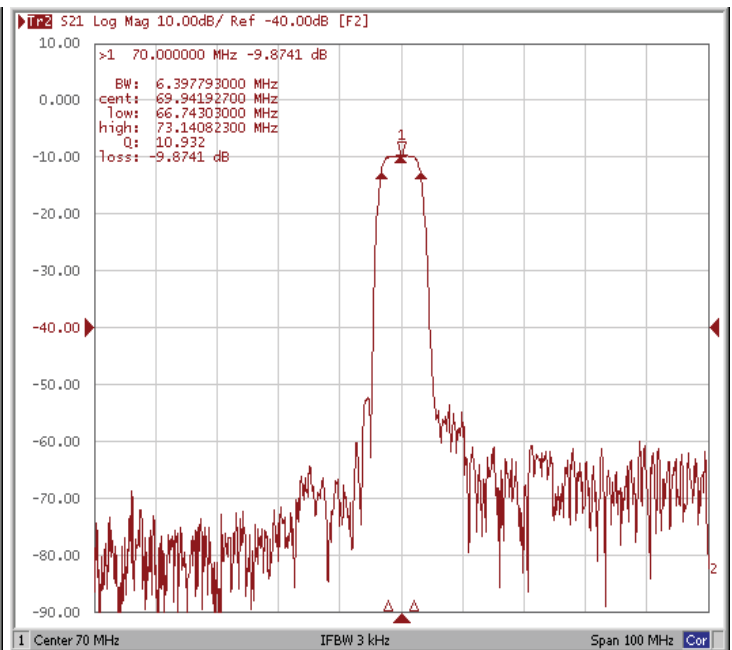
Frequency Response

Operating Temperature : +25 °C

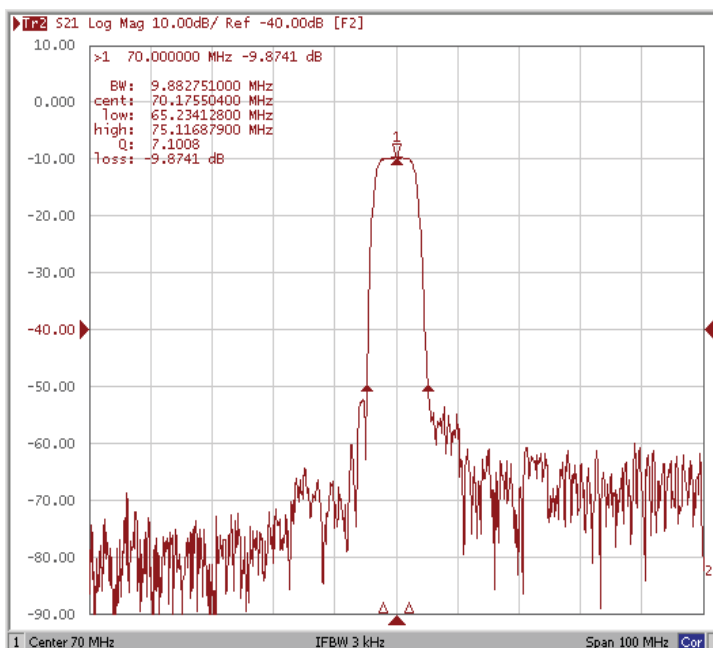
Bandwidth at -1.0 dB



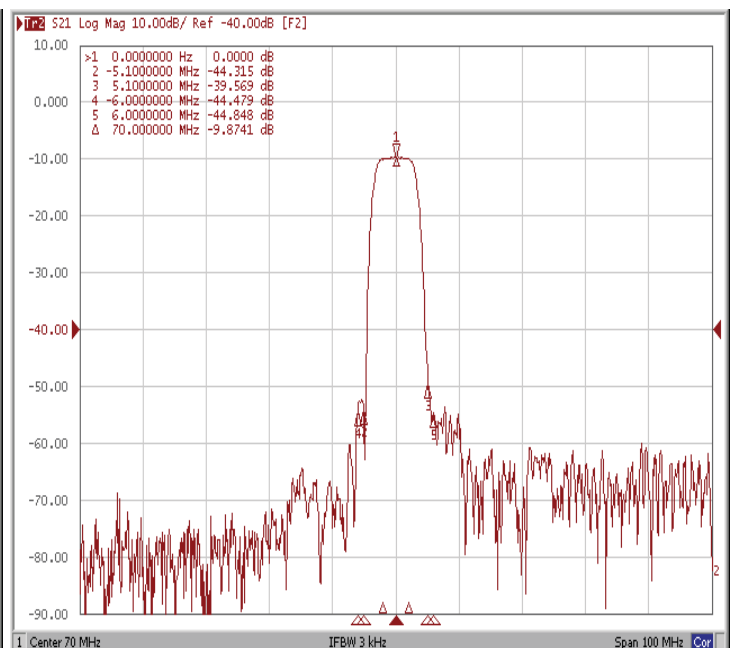
Bandwidth at -3.0 dB



Bandwidth at -40 dB



Attenuation





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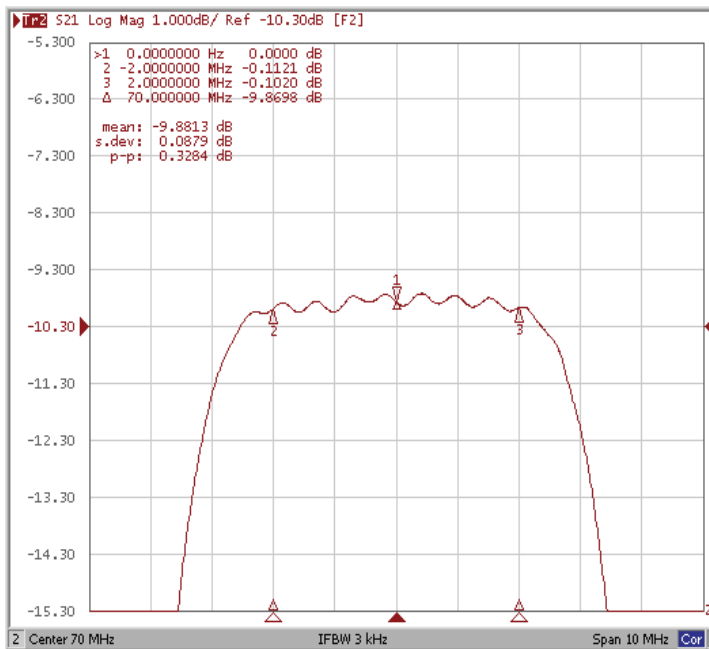
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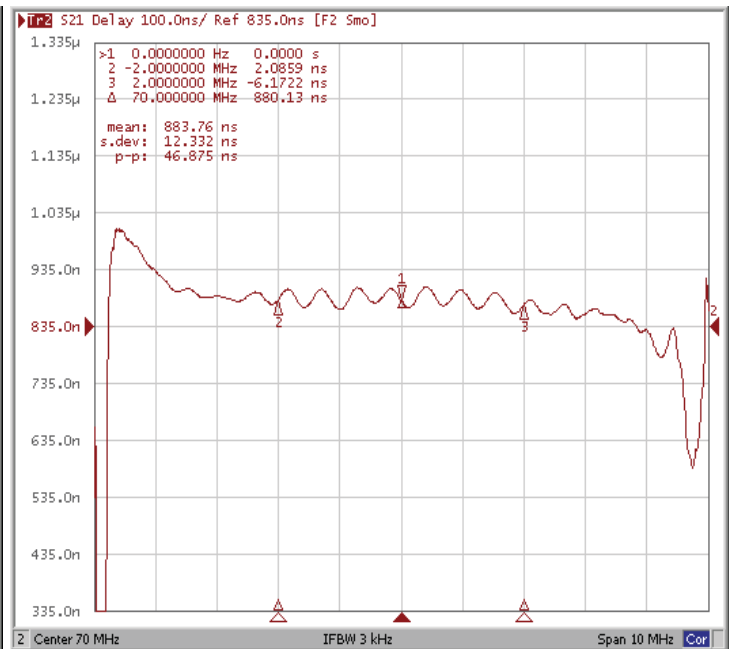
Frequency Characteristics

Frequency Response

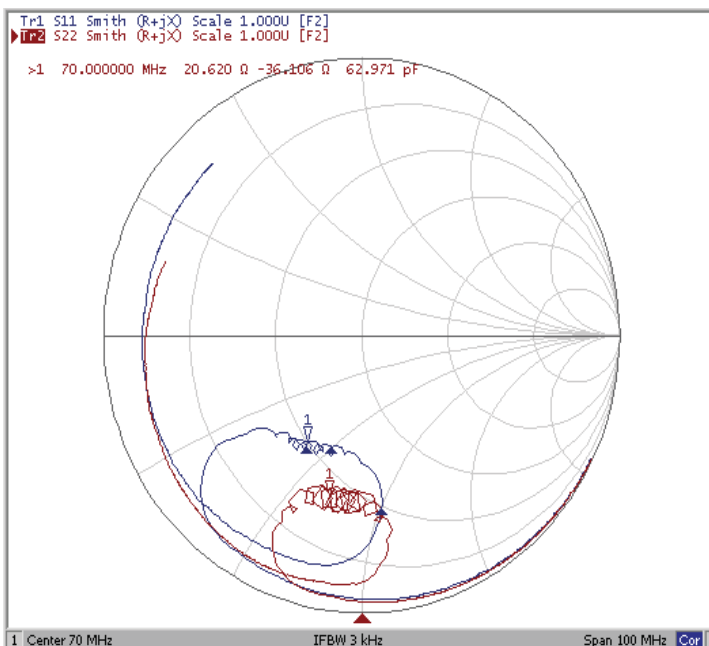
Ripple Variation $Fo \pm 2.0\text{MHz}$



Group Delay Variation $Fo \pm 2.0\text{MHz}$



Smith Chart



VSWR

