БУТИС
Научно-производственное предприятие

Радиочастотные фильтры
и ПАВ фильтры
Тел: (495)411-96-08
Факс: (495)411-96-09

121357, г. Москва
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E-mail: butis.m@ru.net
Web: www.butis-m.ru

Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	80
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	S1			
Length x Width	mm²	-	7.0 x 5.0	-
Height	mm	-	-	1.8

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	201.0	-
Insertion Loss at Fo	dB	-	15.7	18.0
Amplitude Ripple Variation at Fo ± 4.5 MHz	dB_{p-p}	-	0.7	1.2
Group Delay Variation at Fo ± 4.5 MHz	nsec	-	20	35
Absolute Delay at Fo	μsec	-	0.57	-
Temperature Coefficient	ppm/°C	-	-86	-
Bandwidth at –1.0 dB	MHz	11.00	12.95	-
Bandwidth at –3.0 dB	MHz	-	14.15	-
Bandwidth at –40.0 dB	MHz	-	19.75	22.0
Ultimate Rejection	-	-	40	-

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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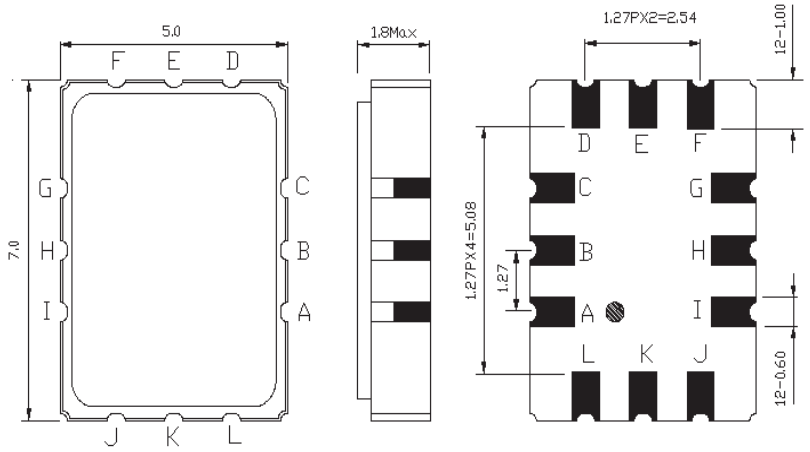
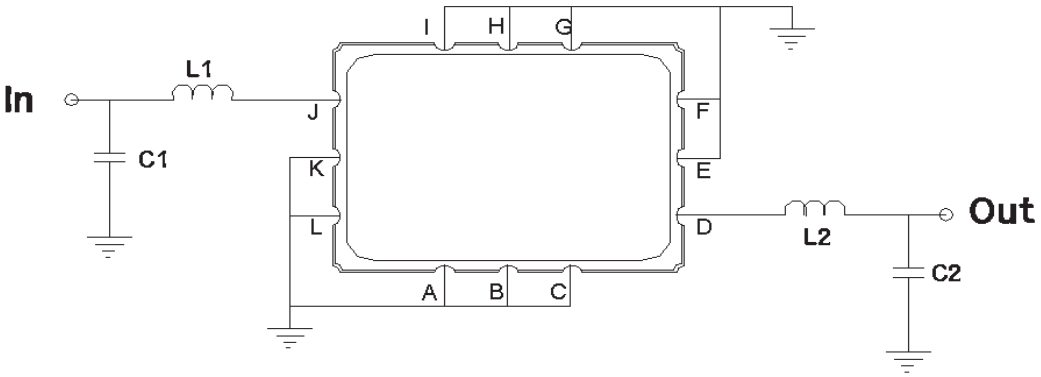
Package Dimensions





L1 = 27 nH; L2 = 33 nH; C1 = 11 pF; C2 = 11 pF
K –In E – Out
A, B, C, D, F, G, H, I, J, L –
Ground

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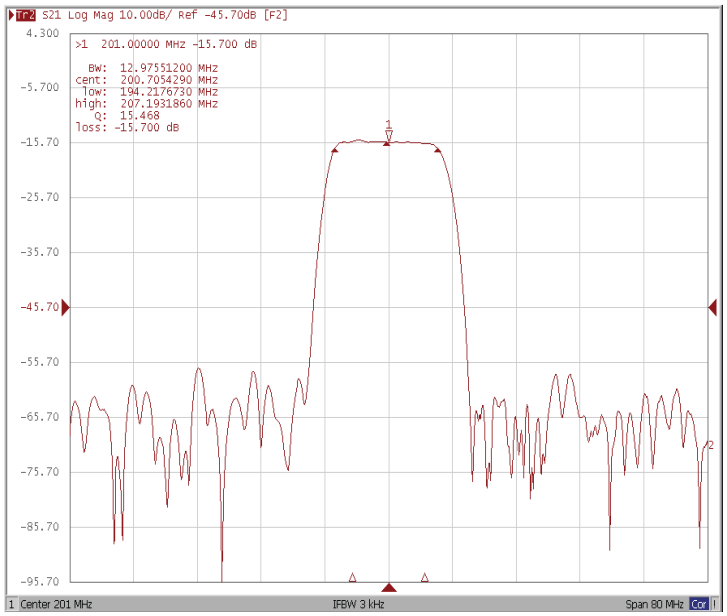
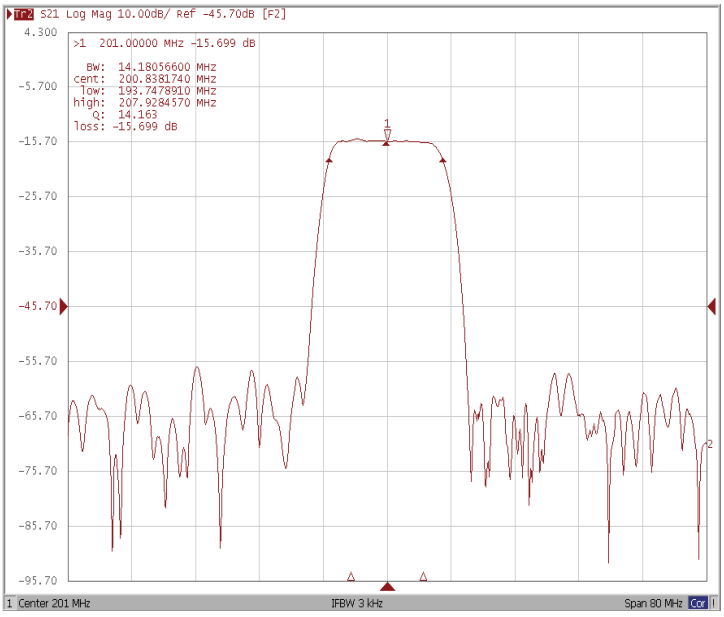
❐ q y

Frequency Response

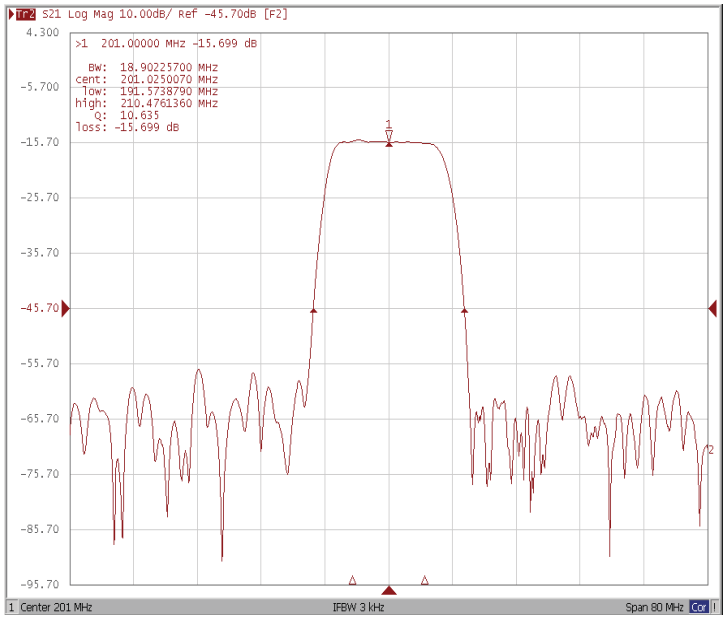
Bandwidth at –1.0 dB



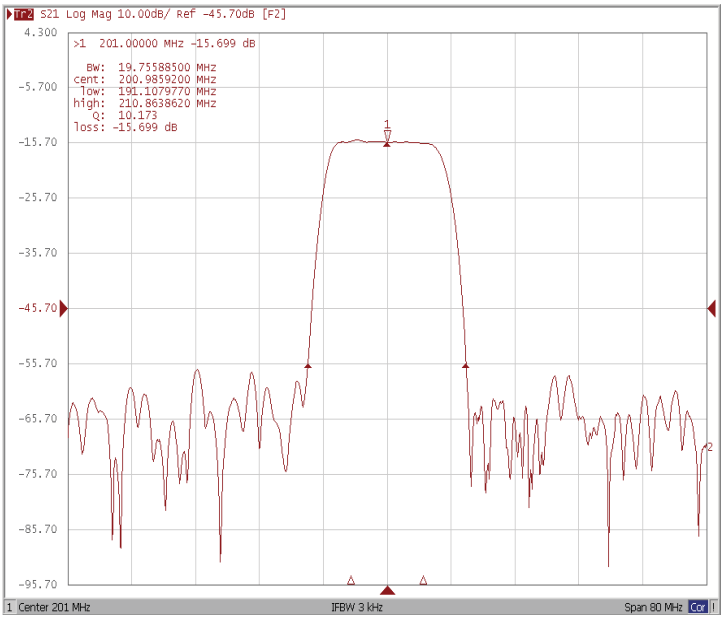
Bandwidth at –3.0 dB



Bandwidth at –30.0 dB



Bandwidth at –40.0 dB



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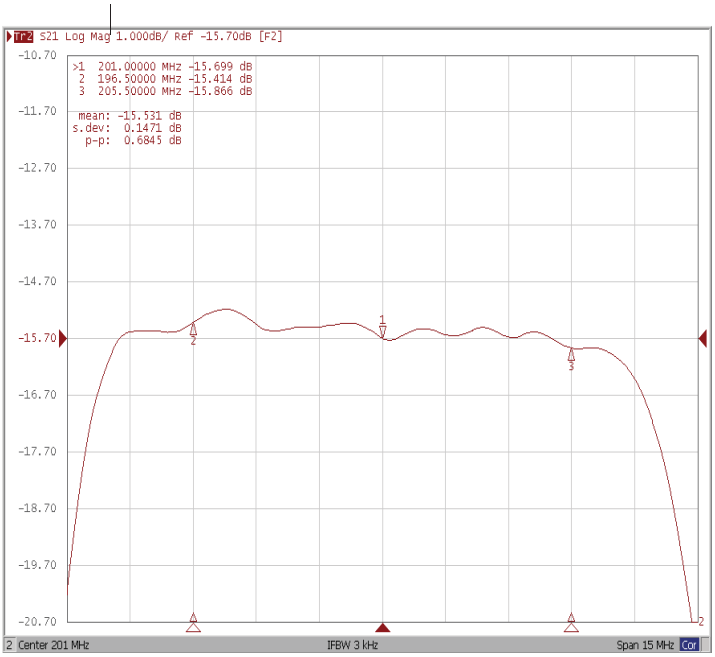
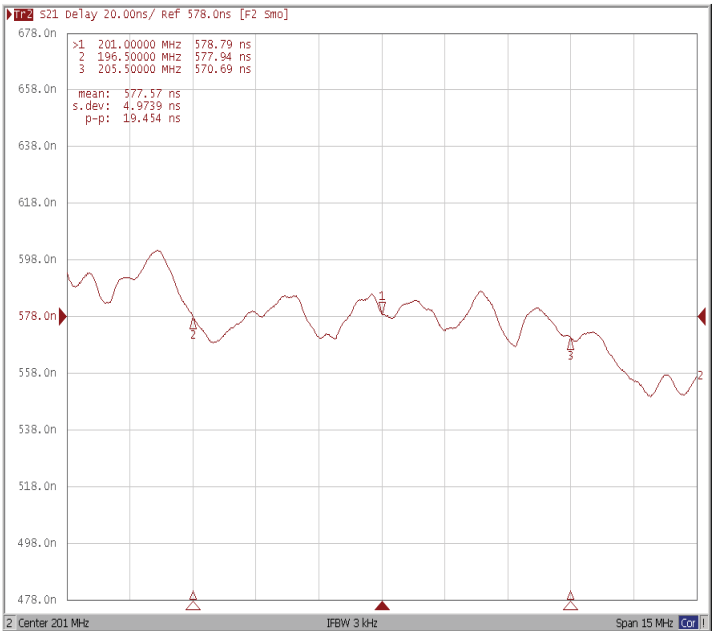
❒ q y

Frequency Response

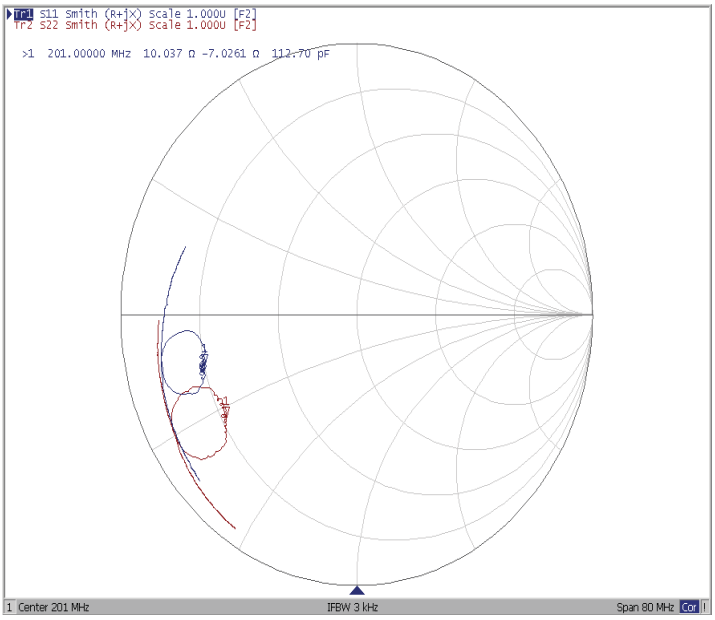
Ripple Variation Fo±4.5MHz



Group Delay Variation Fo±4.5MHz



Smith Chart



VSWR