

CERAMIC FILTER

- From 0.5Ghz 5o 3Ghz
 - Ceramic Technology
 - SMA, SMB, CMX Connectors or RF Pins
 - Low Insertion Loss
 - Good Temperature Stability
 - Custom Design Available.
- (See build-your-own filters section below)

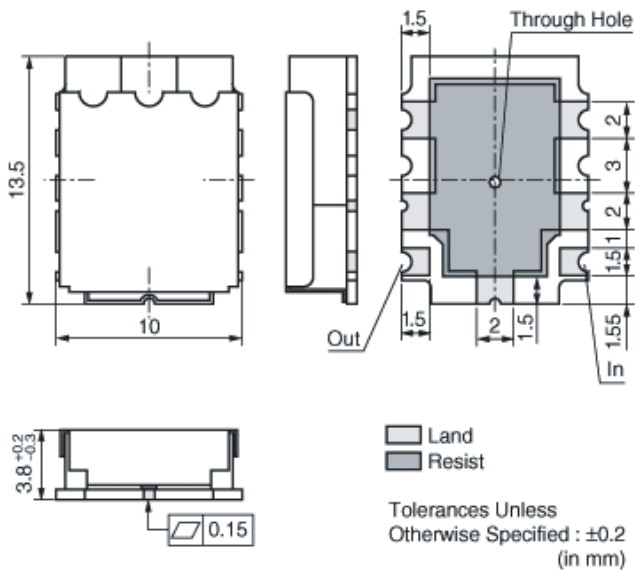


CERAMIC FILTER

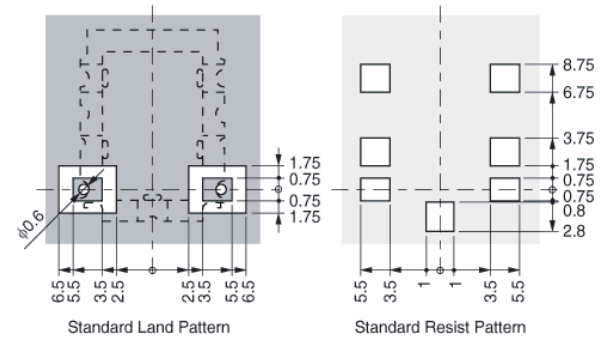
MODEL	CENTER FREQUENCY	BANDWIDTH	INS LOSS	RIPPLE IN BW	REJECTION	V S W R	OPERATING	DDP
NUMBER	(MHz)	(MHz)	(dB) MAX	(dB) MAX	(dB)		TEMP(°C)	
JL3R815S20AA	815.00	20	2.8	1.0	36 min @ $f_0 \pm 80$ MHz	2:1	-30~+85	DPP-01
JL3R836S25AA	836.50	25	2.6	1.0	12 min @ $f_0 \pm 32.5$ MHz	2:1	-30~+85	DPP-02
JL3R860S20AA	860.00	20	2.8	1.0	36 min @ $f_0 \pm 80$ MHz	2:1	-30~+85	DPP-03
JL3R881S25AA	881.50	25	2.6	1.0	12 min @ $f_0 \pm 32.5$ MHz	2:1	-30~+85	DPP-04
JL3R897S35AA	897.50	35	3.0	1.0	6 min @ $f_0 \pm 27.5$ MHz	2:1	-30~+85	DPP-05
JL4R897S35AA	897.50	35	4.6	1.0	13 min @ $f_0 \pm 27.5$ MHz	2:1	-30~+85	DPP-06
JL3R902S25AA	902.50	25	2.6	1.0	12 min @ $f_0 \pm 32.5$ MHz	2:1	-30~+85	DPP-07
JL3R942S35AA	942.50	35	3.0	1.0	6 min @ $f_0 \pm 27.5$ MHz	2:1	-30~+85	DPP-08
JL4R942S35AA	942.50	35	4.6	1.0	13 min @ $f_0 \pm 27.5$ MHz	2:1	-30~+85	DPP-09
JL3R947S25AA	947.50	25	2.6	1.0	12 min @ $f_0 \pm 32.5$ MHz	2:1	-30~+85	DPP-10
JL3R1542S34AA	1542.00	34	3.0	1.0	30 min @ 1626.5 to 1660.5 MHz	2:1	-30~+85	DPP-11
JL2R1575S02AA	1575.00	2	0.9	1.0	16 min @ $f_0 - 140$ MHz	2:1	-30~+85	DPP-12
JL3R1643S34AA	1643.50	34	3.0	1.0	30 min @ 1525 to 1559 MHz	2:1	-30~+85	DPP-13
JL3R1747S75AA	1747.50	75	2.0	1.0	8 min @ $f_0 \pm 80$ MHz	2:1	-30~+85	DPP-14
JL4R1747S75AA	1747.50	75	3.6	1.0	10 min @ $f_0 \pm 57.5$ MHz	2:1	-30~+85	DPP-15
JL3R1842S75AA	1842.50	75	2.0	1.0	8 min @ $f_0 \pm 80$ MHz	2:1	-30~+85	DPP-16
JL4R1842S75AA	1842.50	75	3.6	1.0	10 min @ $f_0 \pm 57.5$ MHz	2:1	-30~+85	DPP-17
JL3R1880S60AA	1880.00	60	2.2	1.0	15 min @ $f_0 \pm 100$ MHz	2:1	-30~+85	DPP-18
JL4R1880S60AA	1880.00	60	4.5	1.0	12 min @ $f_0 \pm 50$ MHz	2:1	-30~+85	DPP-19
JL3R1950S60AA	1950.00	60	2.4	1.0	45 min @ 1550 MHz	2:1	-30~+85	DPP-20
JL3R1960S60AA	1960.00	60	2.2	1.0	15 min @ $f_0 \pm 100$ MHz	2:1	-30~+85	DPP-21
JL4R1960S60AA	1960.00	60	4.5	1.0	12 min @ $f_0 \pm 50$ MHz	2:1	-30~+85	DPP-22
JL3R2140S60AA	2140.00	60	1.3	1.0	52 min @ 1325 to 1385 MHz	2:1	-30~+85	DPP-23
JL2R2442S84AA	2442.00	84	1.2	1.0	15 min @ $f_0 \pm 250$ MHz	2:1	-30~+85	DPP-24

JL3R815S20AA

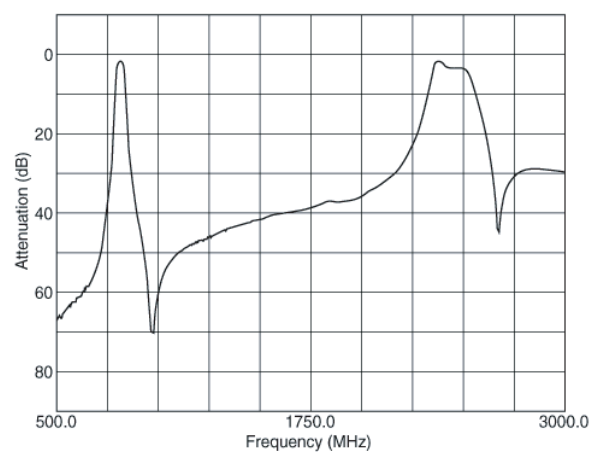
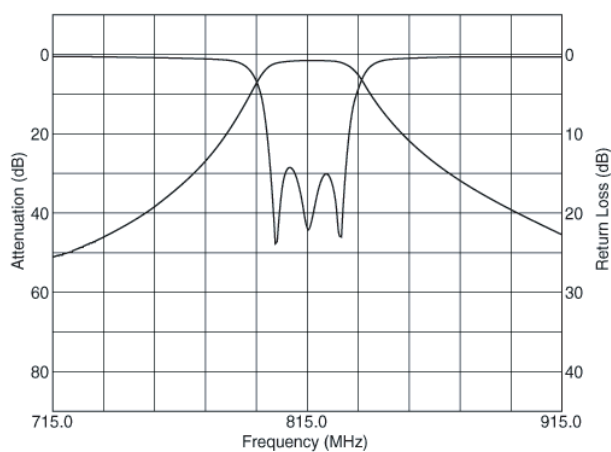
Dimensions



Recommended Pattern



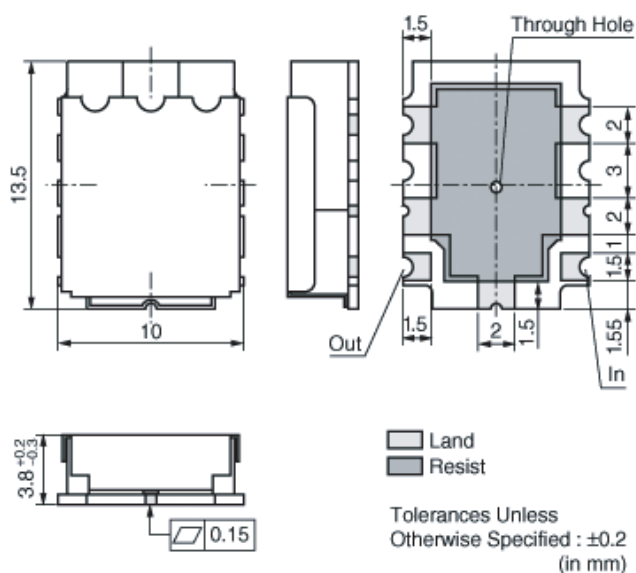
Typical Characteristic



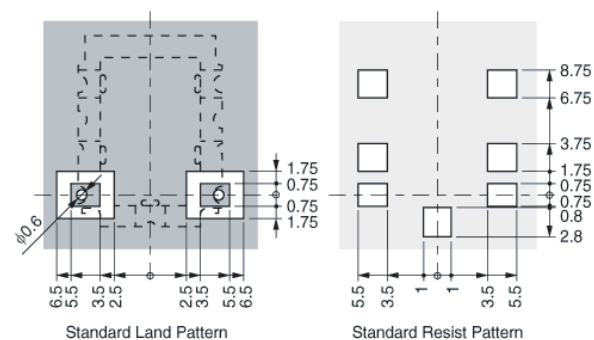
DPP-01

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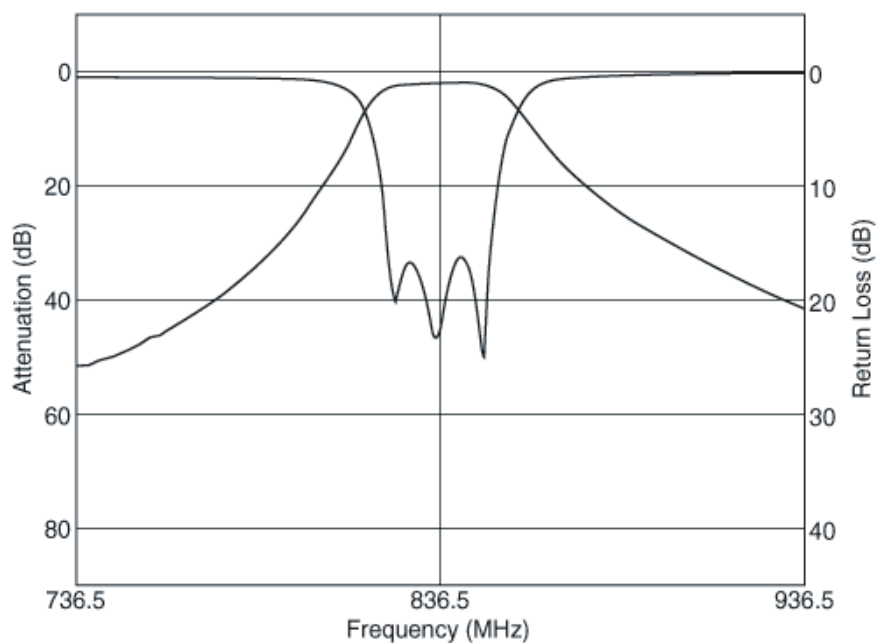
Dimensions



Recommended Pattern



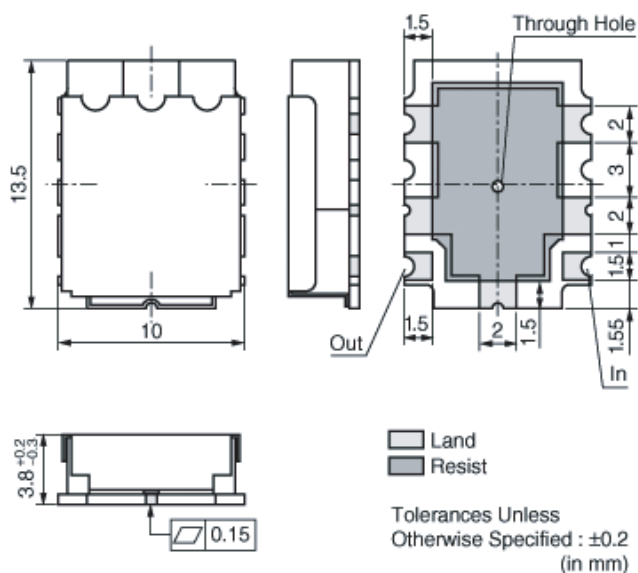
Typical Characteristic



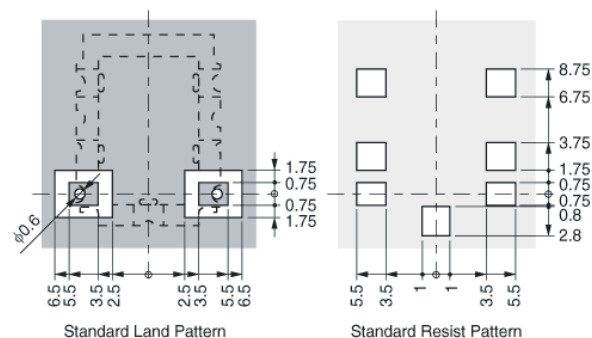
DPP-02

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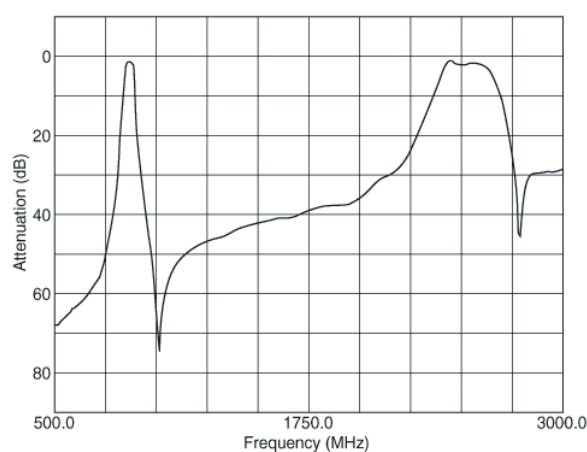
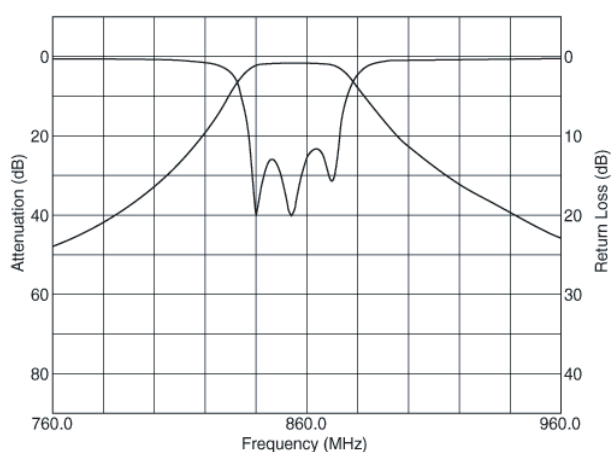
Dimensions



Recommended Pattern



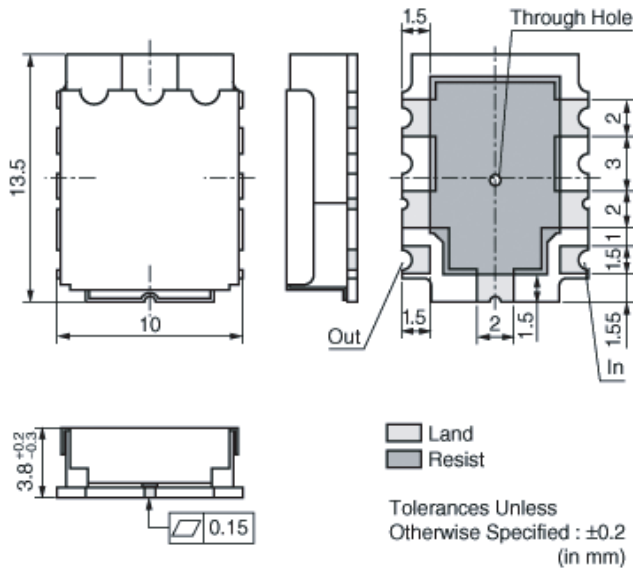
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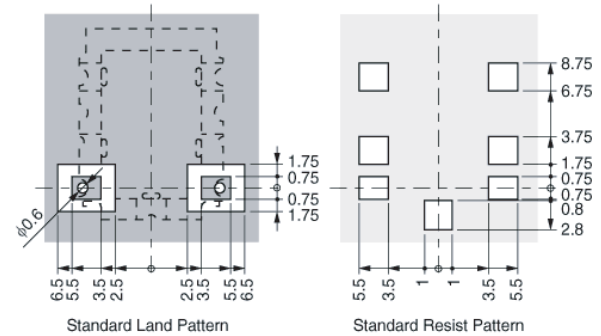
DPP-03

JL3R881S25AA

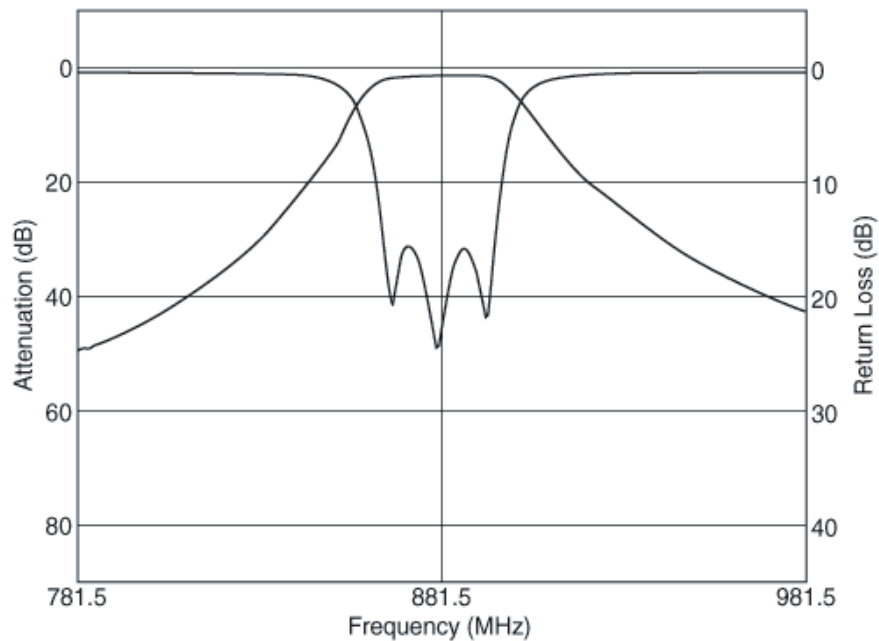
Dimensions



Recommended Pattern



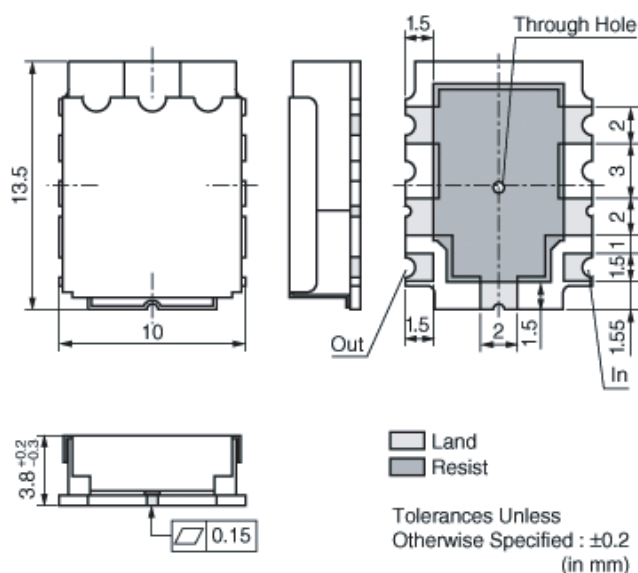
Typical Characteristic



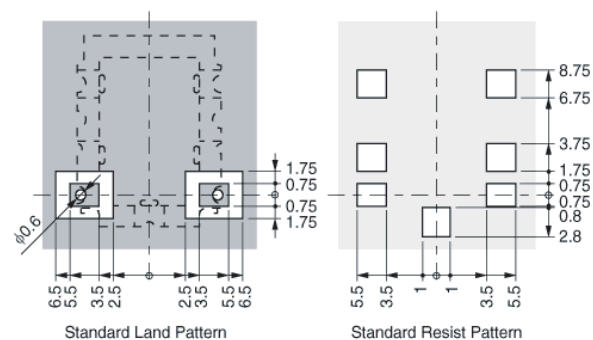
DPP-04

JL3R897S35AA

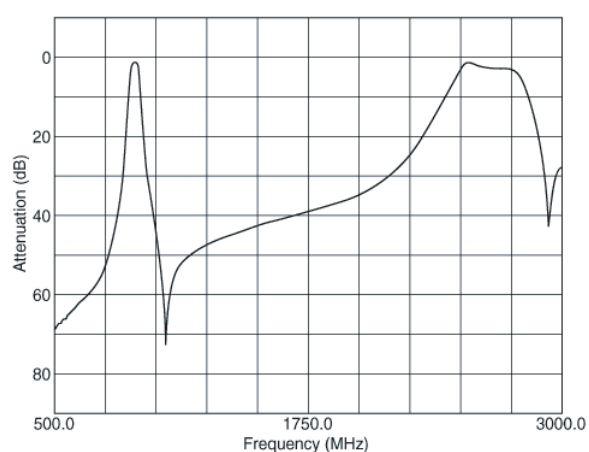
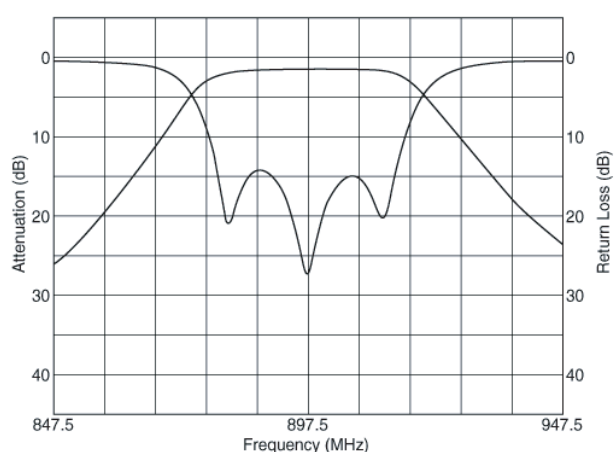
Dimensions



Recommended Pattern



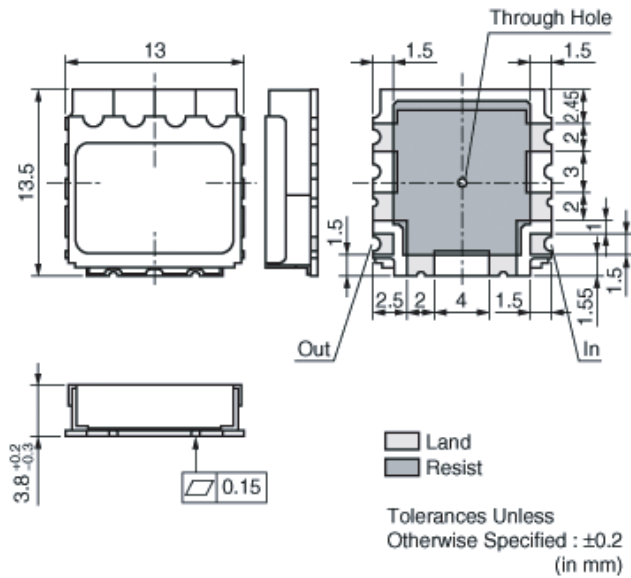
Typical Characteristic



DPP-05

JL4R897S35AA

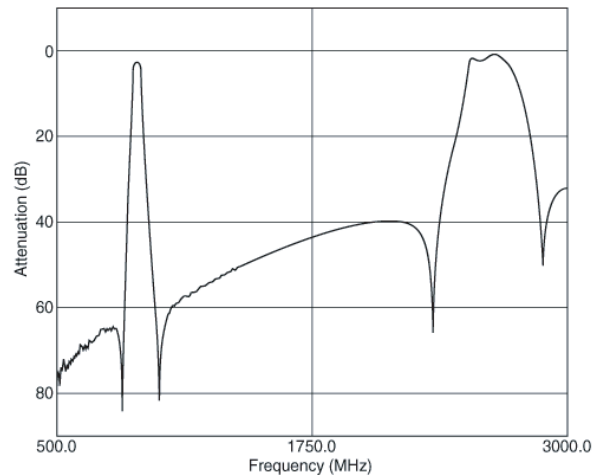
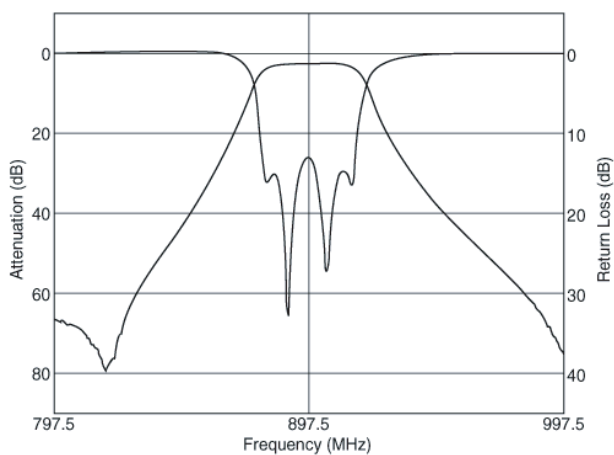
Dimensions



Recommended Pattern



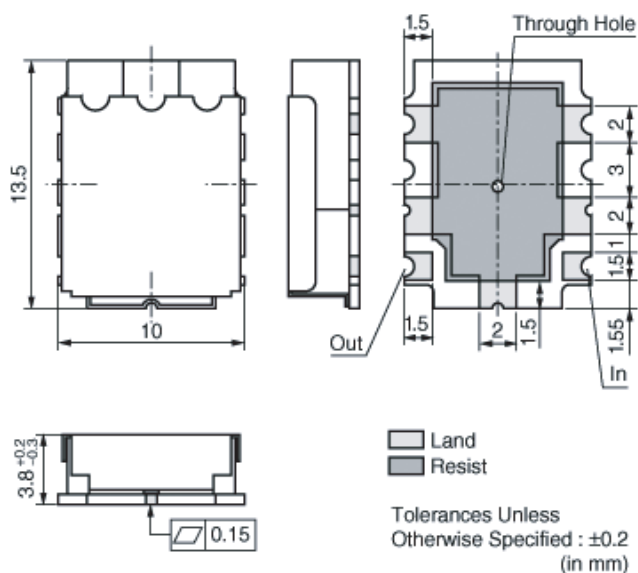
Typical Characteristic



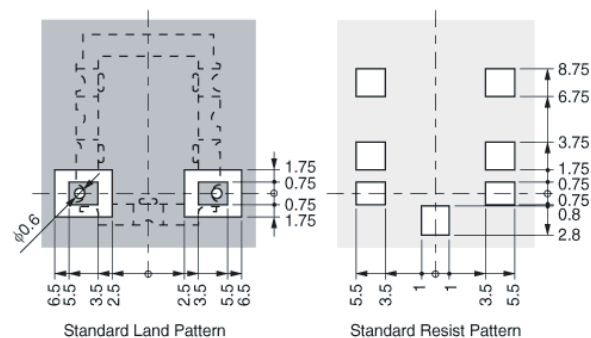
DPP-06

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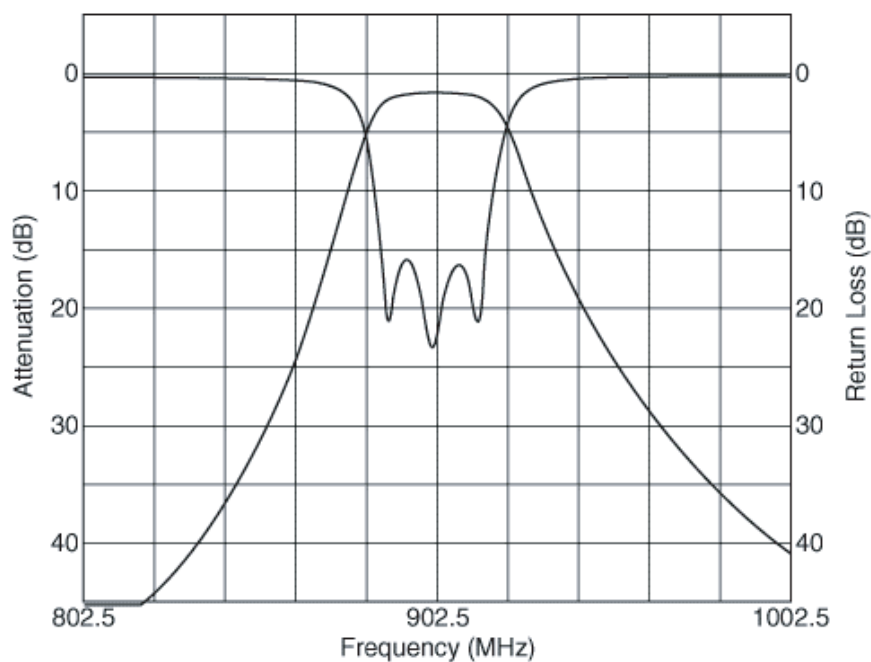
Dimensions



Recommended Pattern



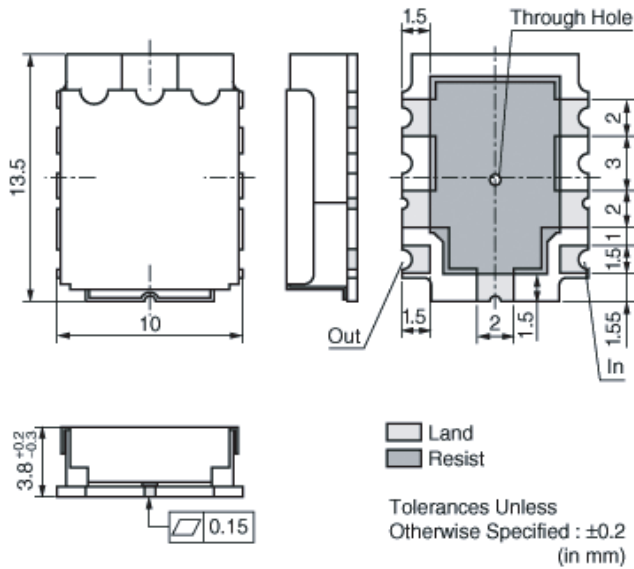
Typical Characteristic



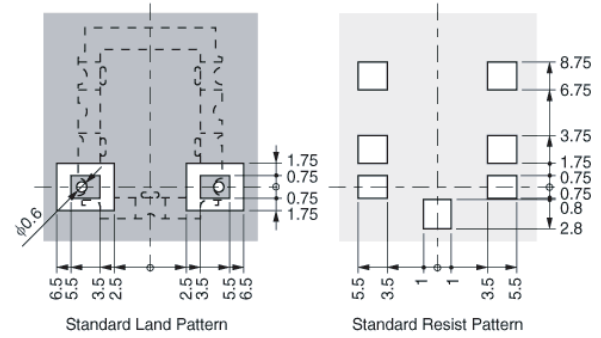
DPP-07

JL3R942S35AA

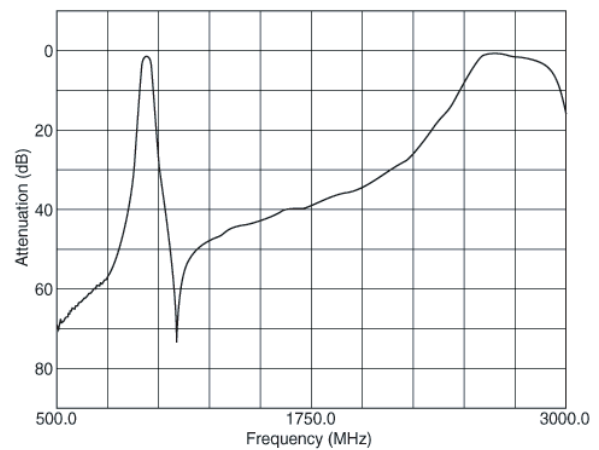
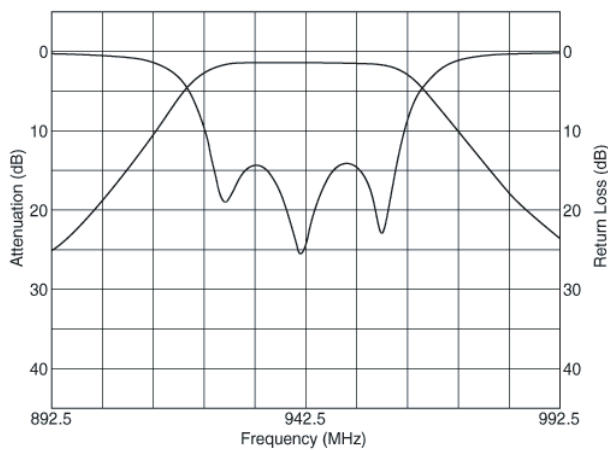
Dimensions



Recommended Pattern



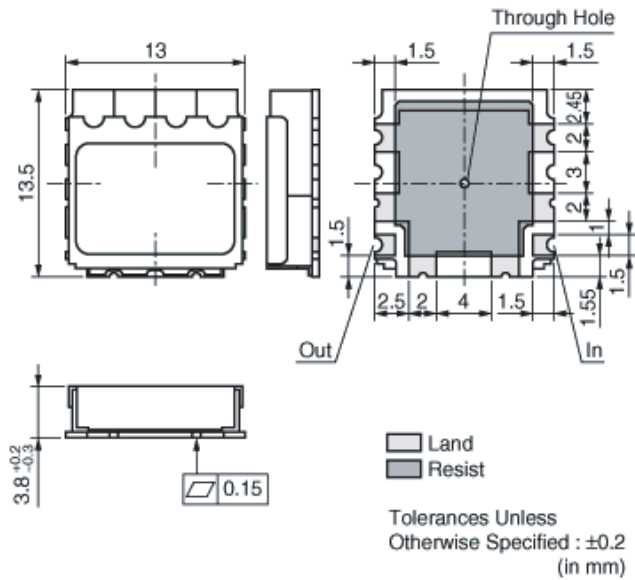
Typical Characteristic



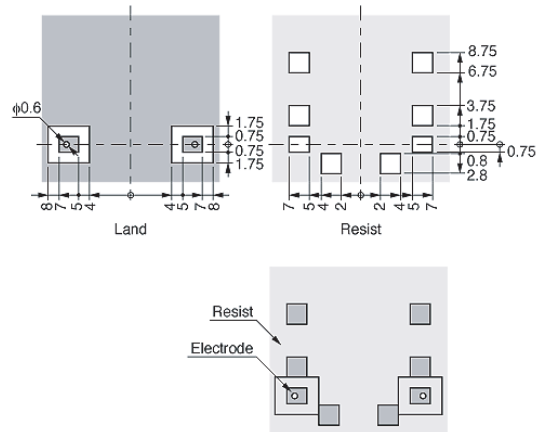
DPP-08

JL4R942S35AA

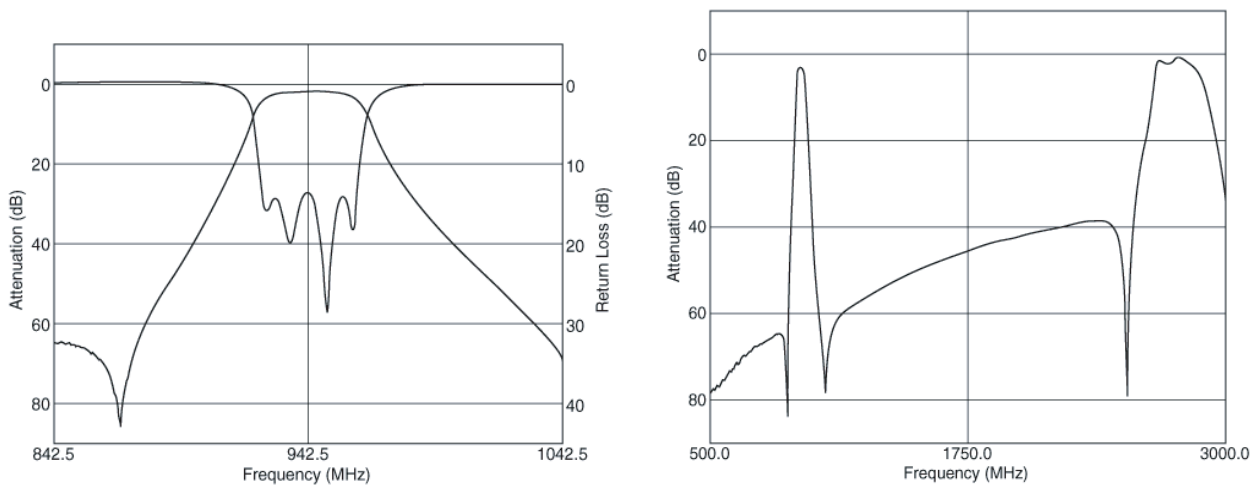
Dimensions



Recommended Pattern



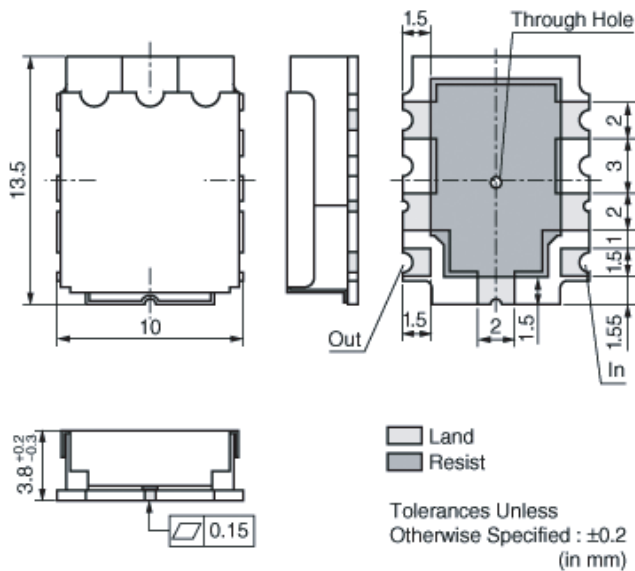
Typical Characteristic



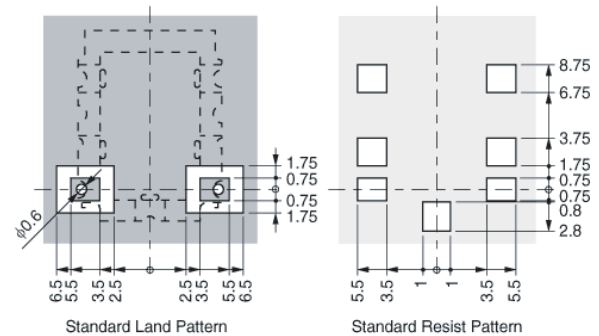
DPP-09

JL3R947S25AA

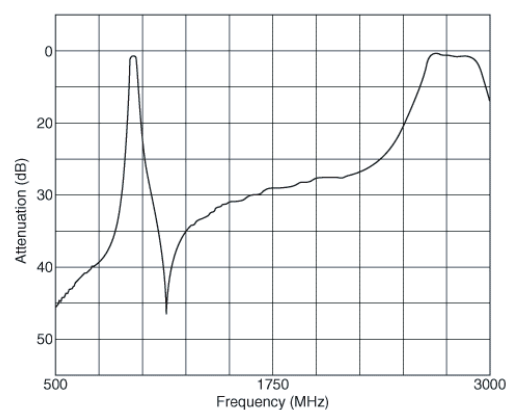
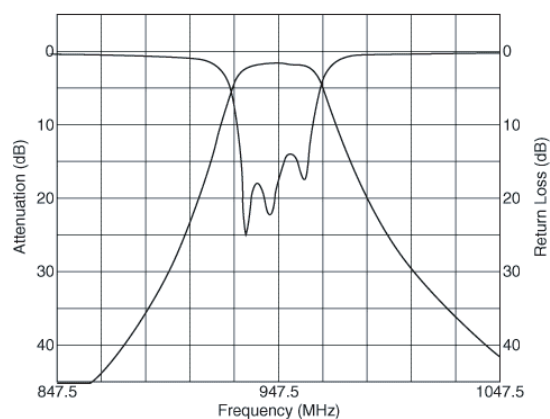
Dimensions



Recommended Pattern



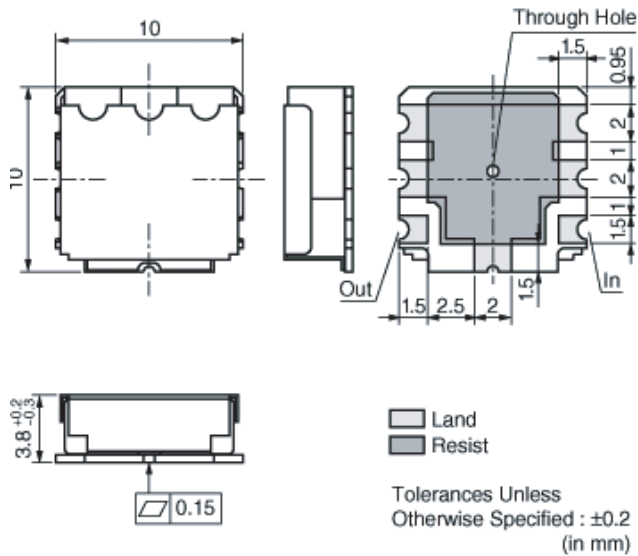
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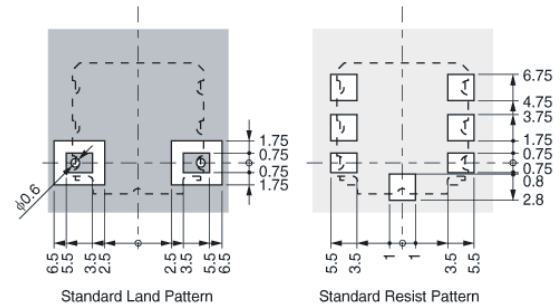
DPP-10

JL3R1542S34AA

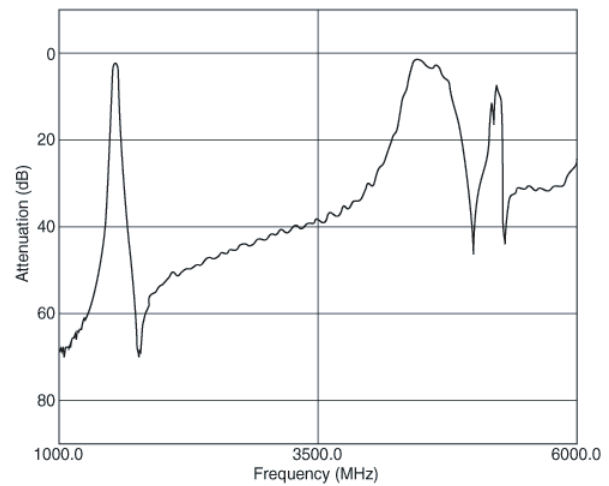
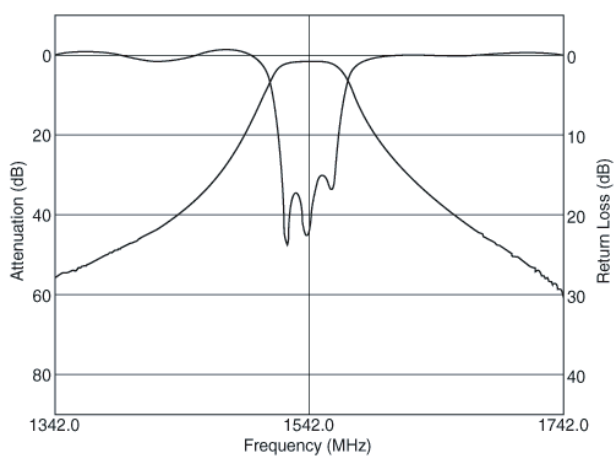
Dimensions



Recommended Pattern



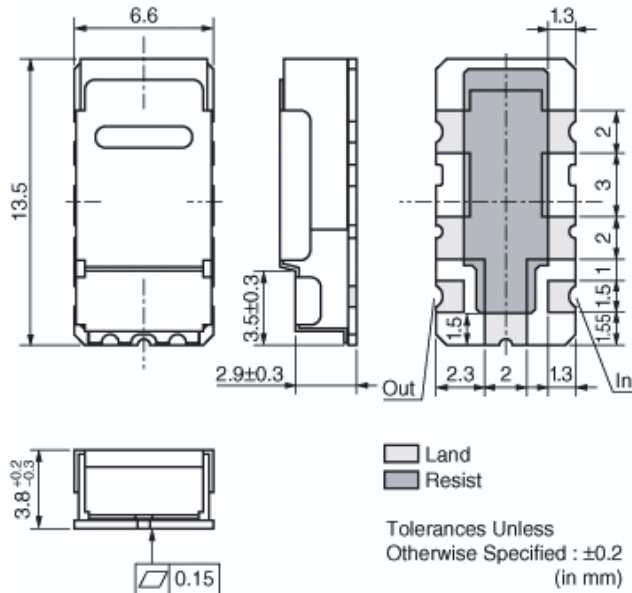
Typical Characteristic



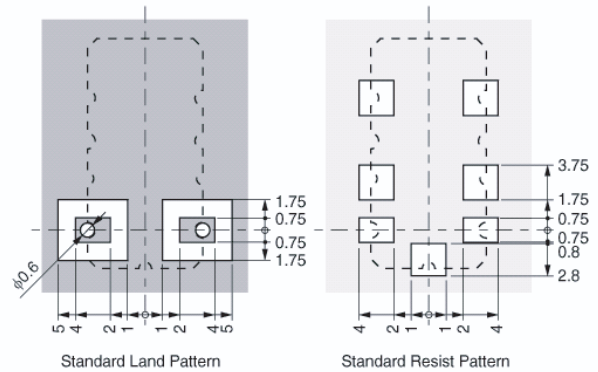
DPP-11

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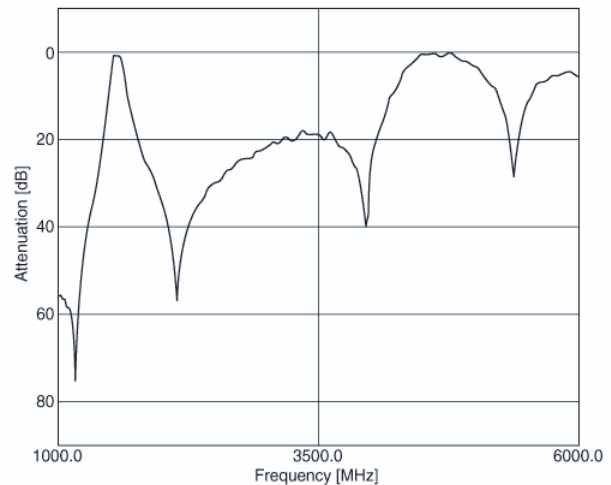
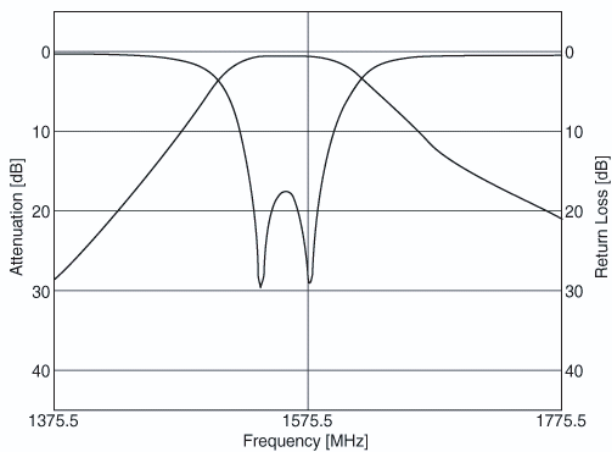
Dimensions



Recommended Pattern



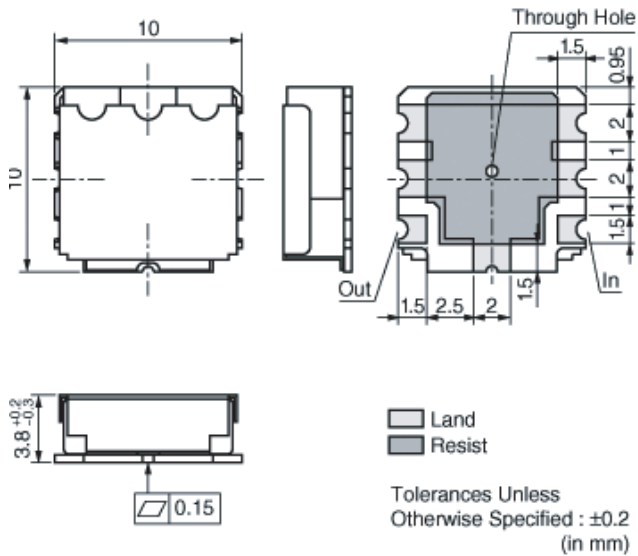
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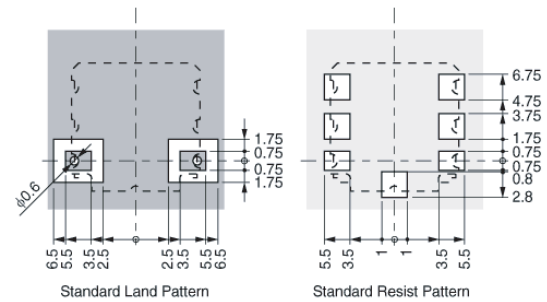
DPP-12

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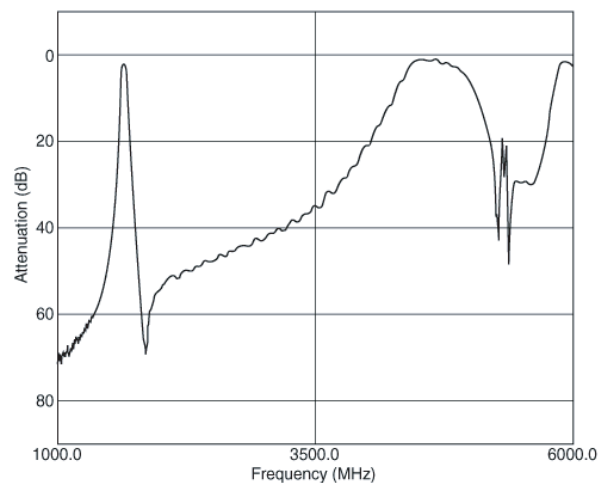
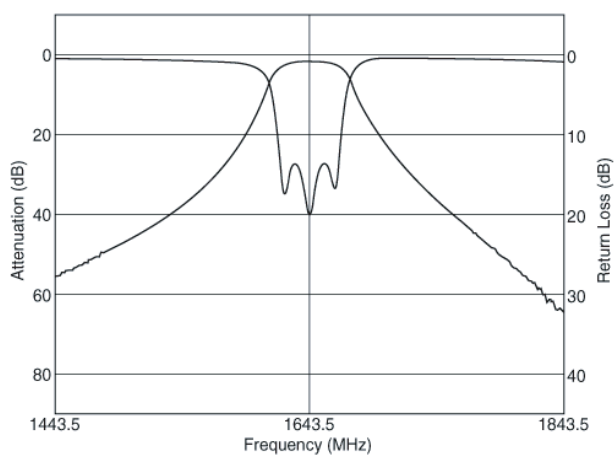
Dimensions



Recommended Pattern



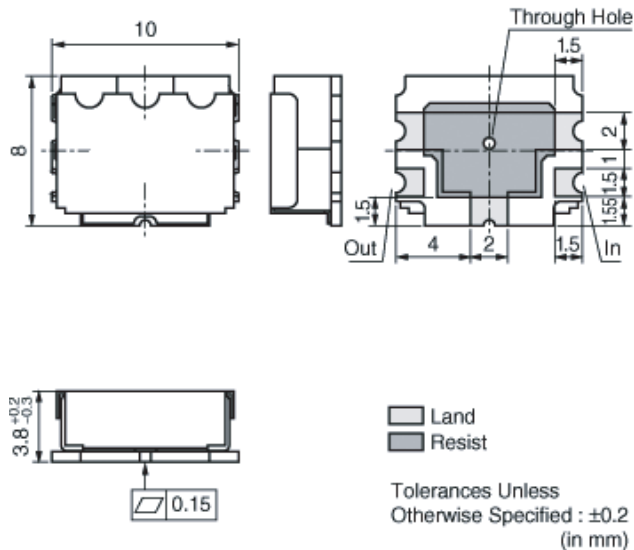
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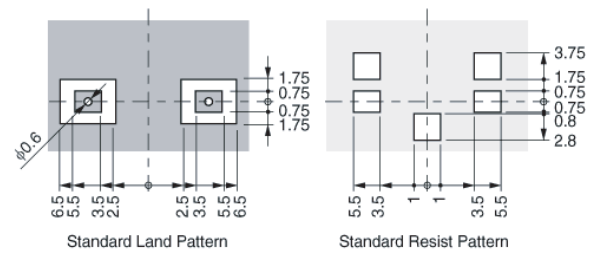
DPP-13

JL3R1747S75AA

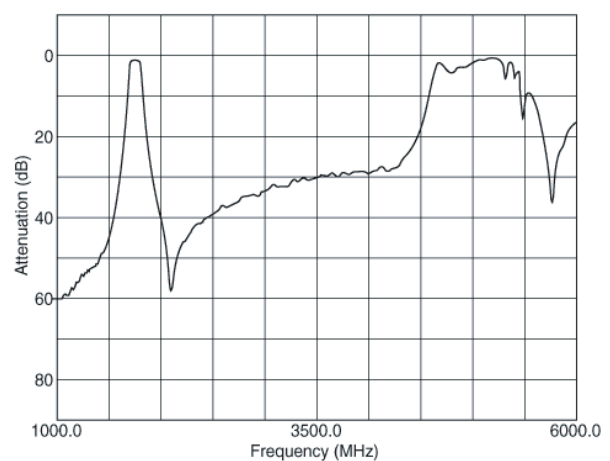
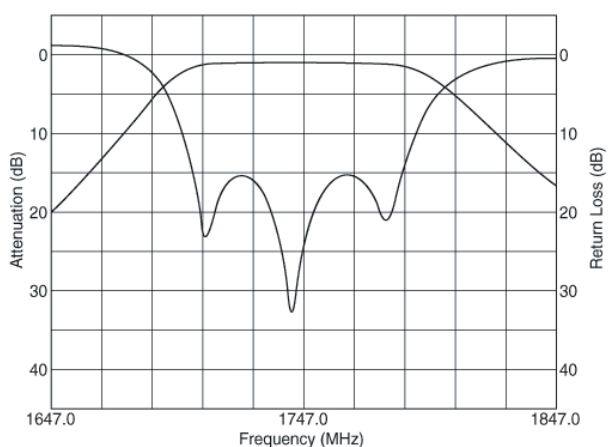
Dimensions



Recommended Pattern



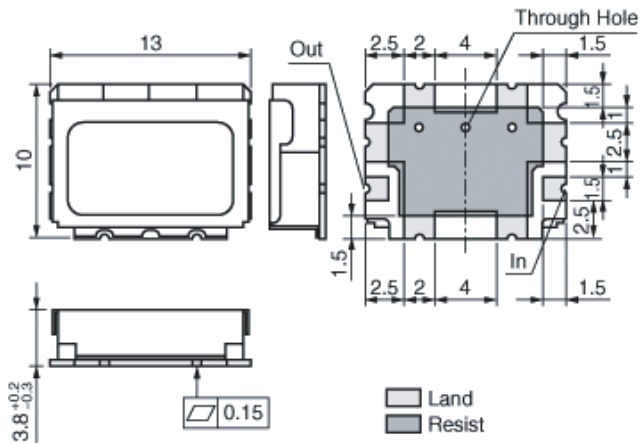
Typical Characteristic



DPP-14

JL3R1643S34AA

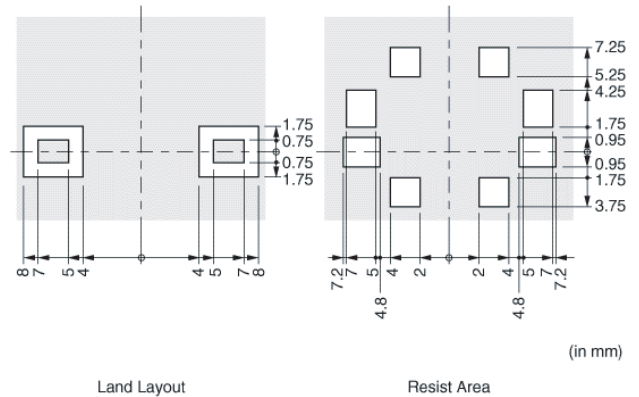
Dimensions



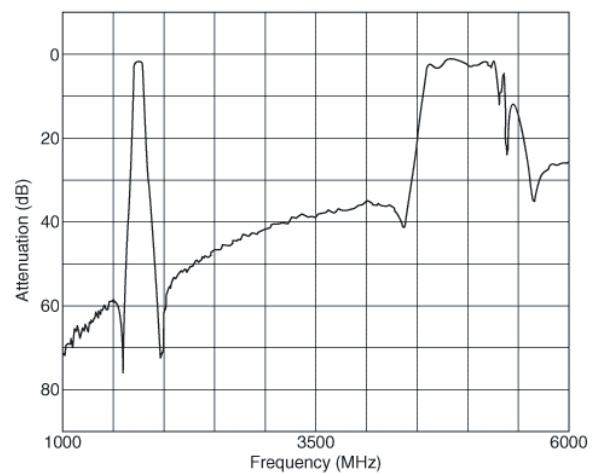
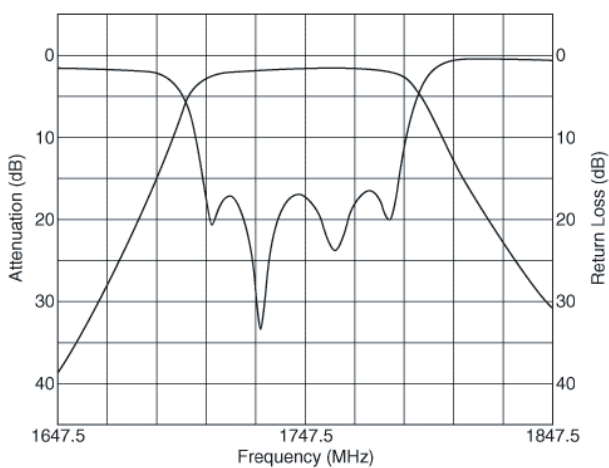
Tolerances Unless
Otherwise Specified : ± 0.2
(in mm)

Note: The number of through holes may be
changed without notice.

Recommended Pattern



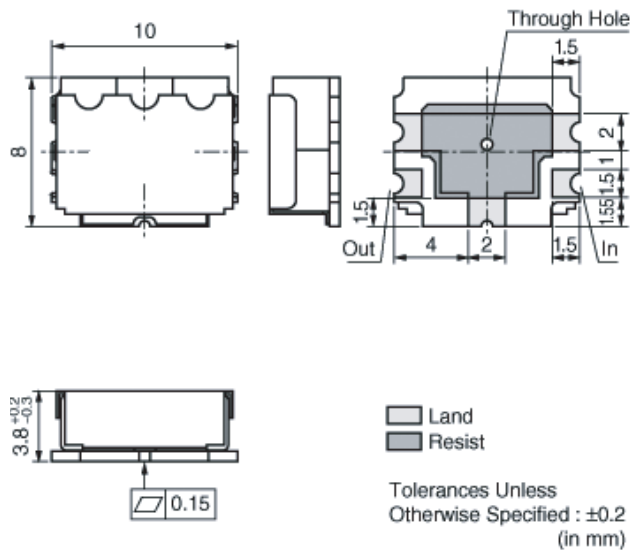
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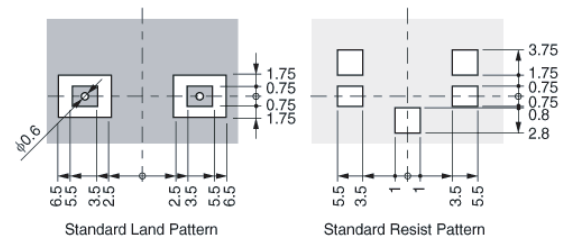
DPP-15

JL3R1842S75AA

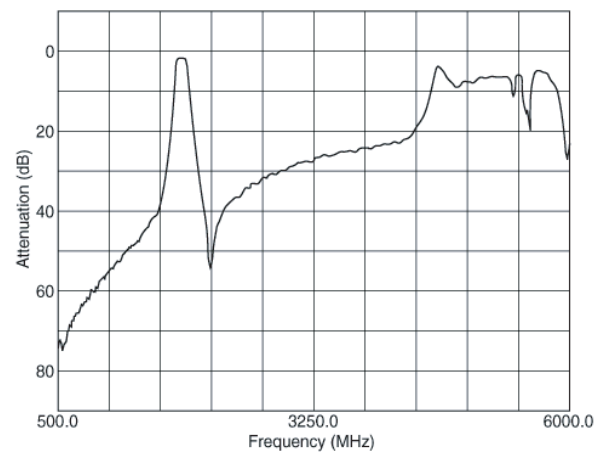
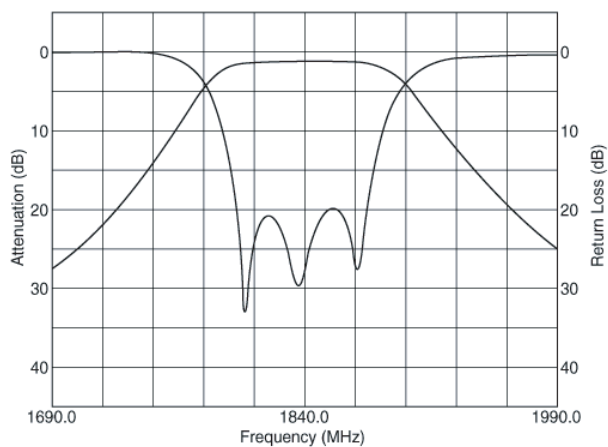
Dimensions



Recommended Pattern



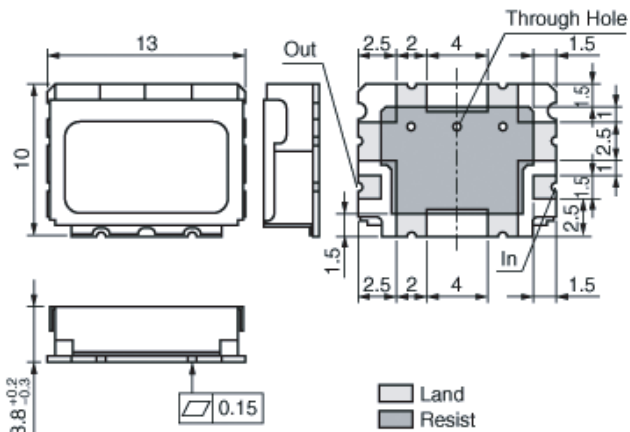
Typical Characteristic



DPP-16

JL4R1842S75AA

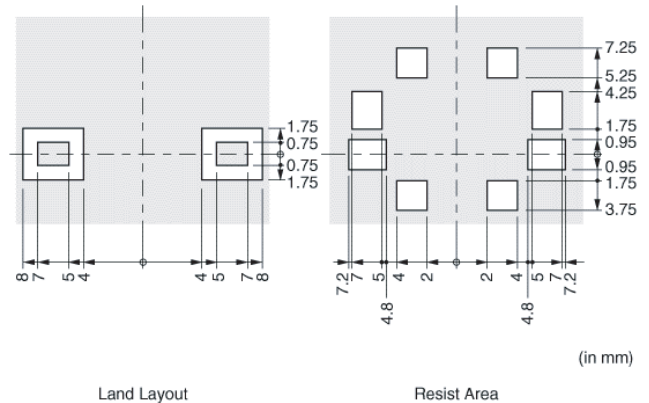
Dimensions



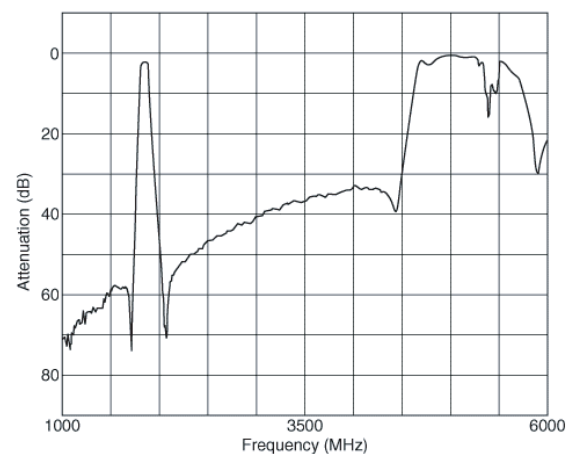
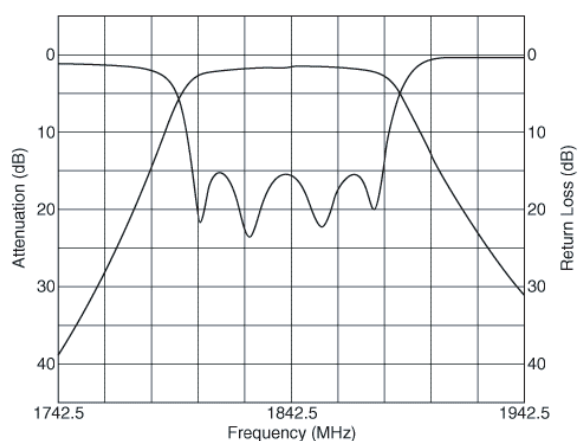
Tolerances Unless
Otherwise Specified : ± 0.2
(in mm)

Note: The number of through holes may be changed without notice.

Recommended Pattern



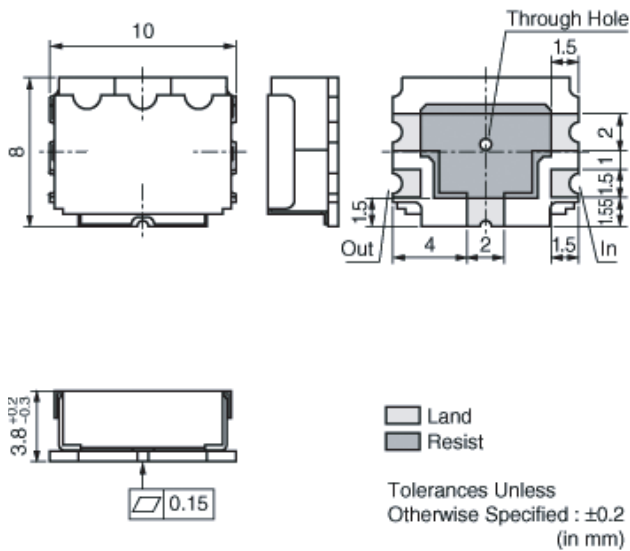
Typical Characteristic



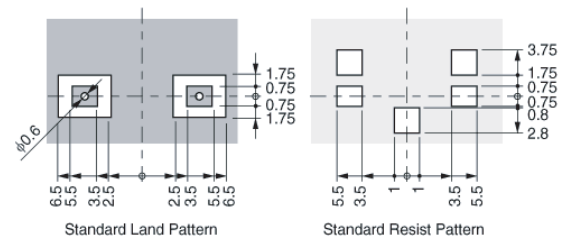
DPP-17

JL3R1880S60AA

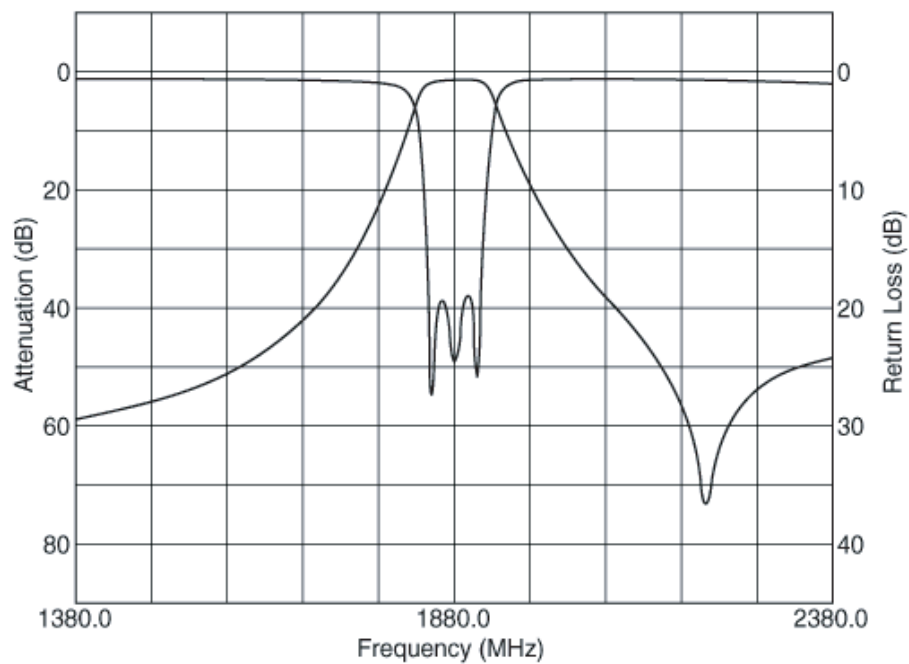
Dimensions



Recommended Pattern



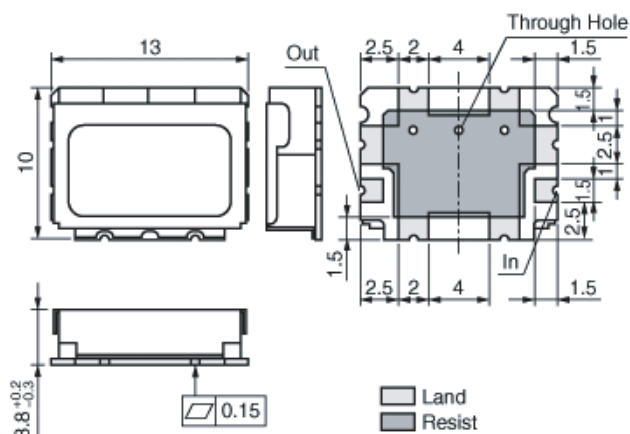
Typical Characteristic



DPP-18

JL4R1880S60AA

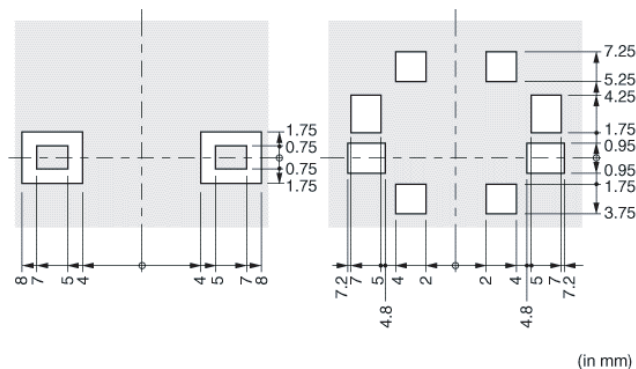
Dimensions



Tolerances Unless
Otherwise Specified : ±0.2
(in mm)

Note: The number of through holes may be
changed without notice.

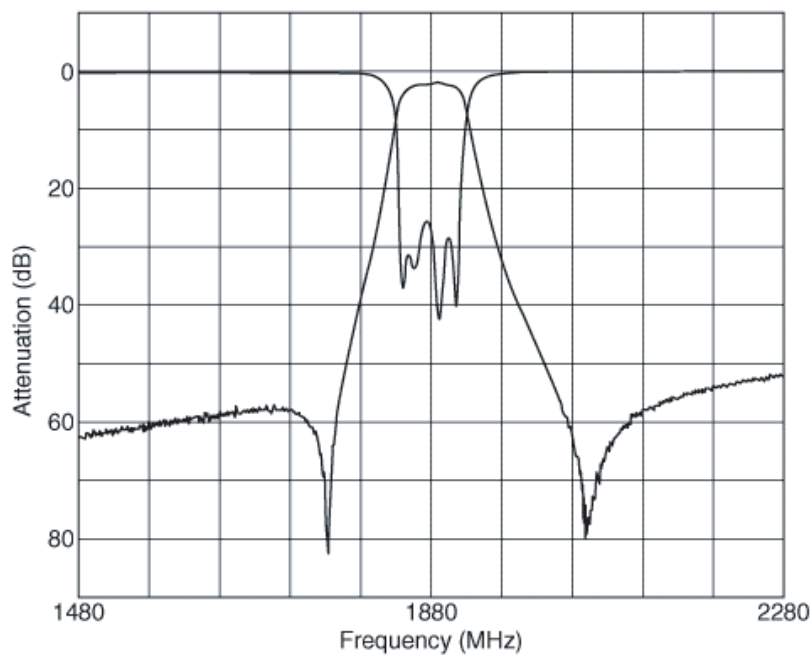
Recommended Pattern



Land Layout

Resist Area

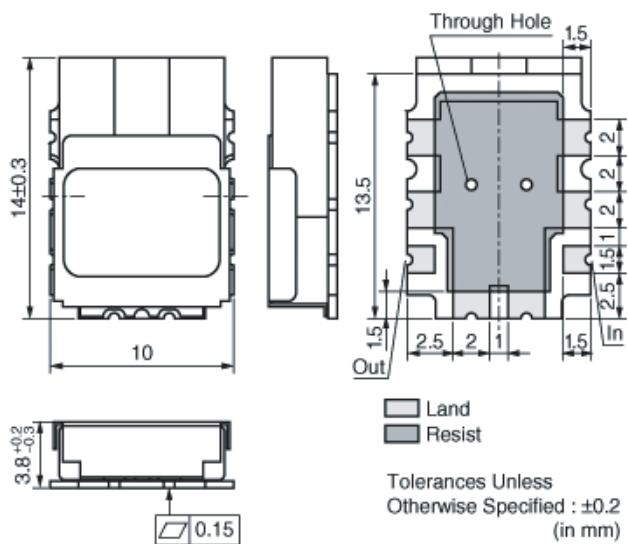
Typical Characteristic



DPP-19

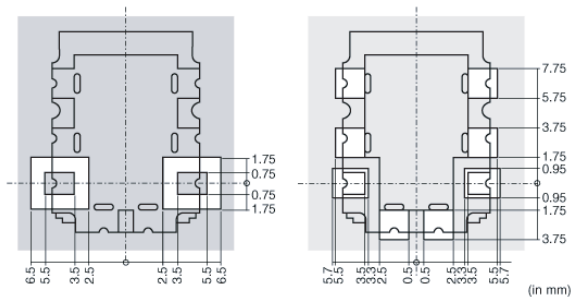
JL3R1880S60AA

Dimensions

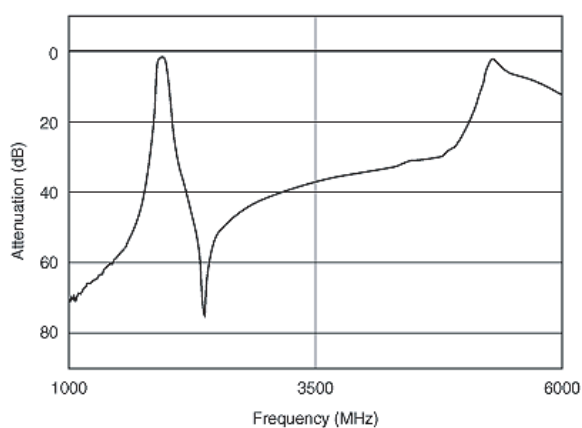
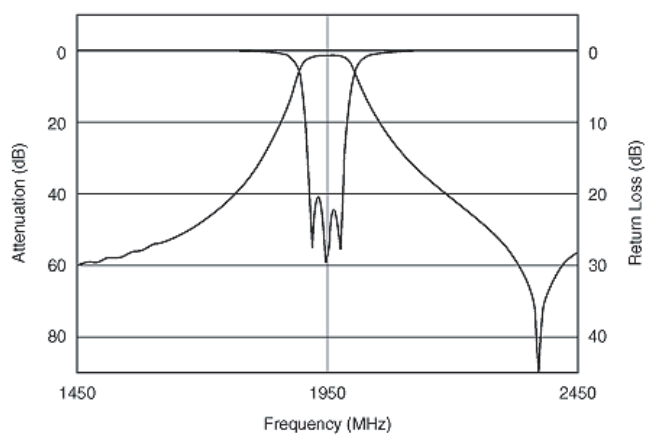


Note: The number of through holes may be changed without notice.

Recommended Pattern



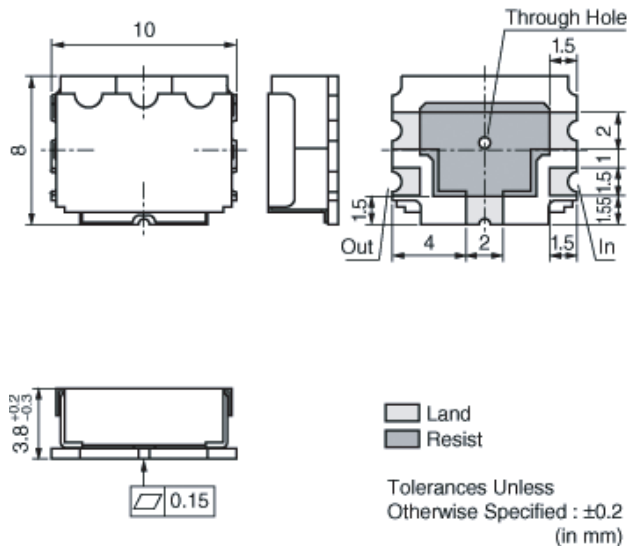
Typical Characteristic



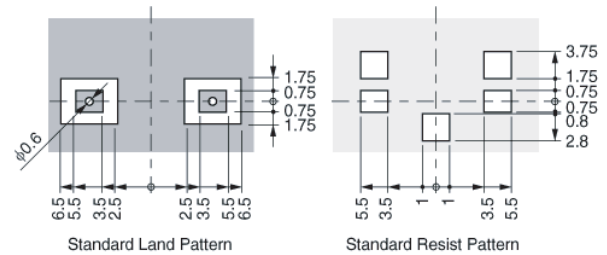
DPP-20

JL3R1960S60AA

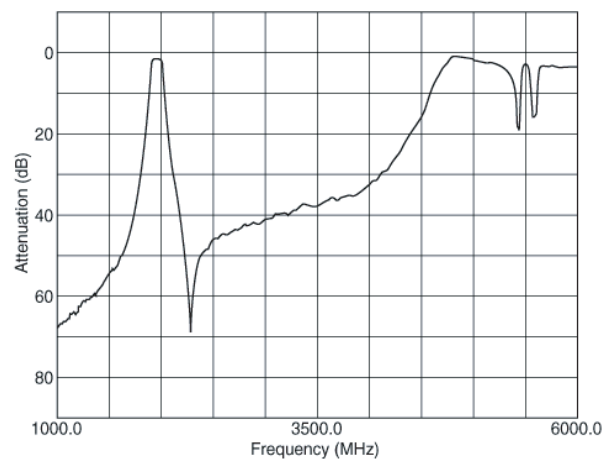
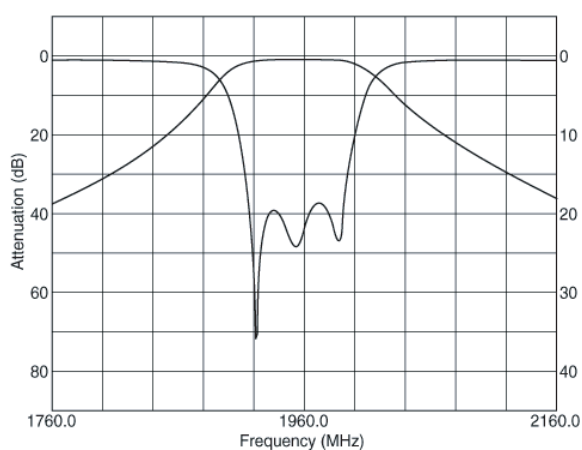
Dimensions



Recommended Pattern



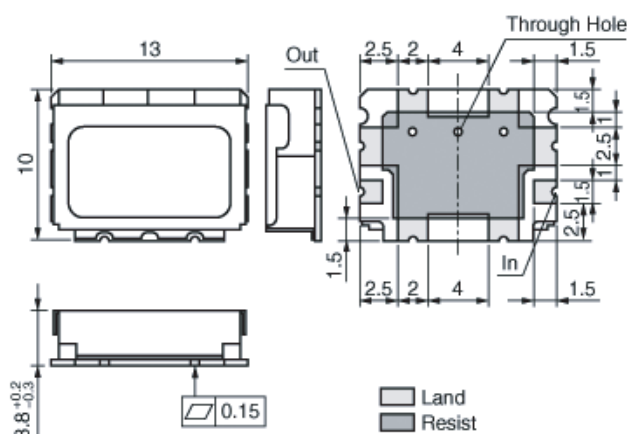
Typical Characteristic



DPP-21

JL4R1960S60AA

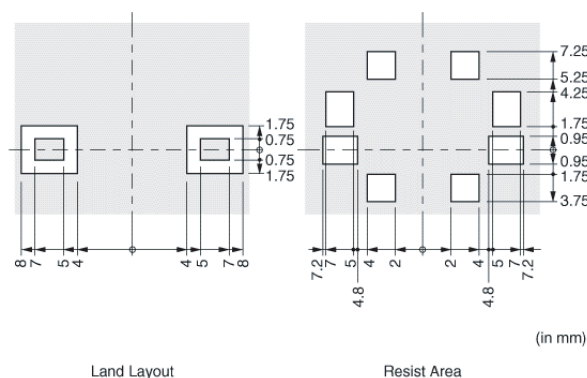
Dimensions



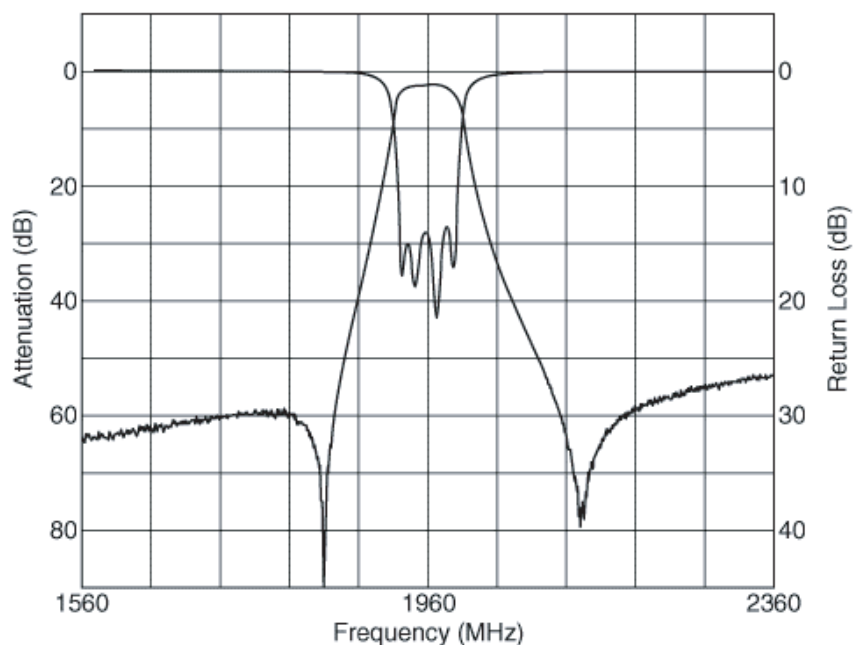
Tolerances Unless
Otherwise Specified : ± 0.2
(in mm)

Note: The number of through holes may be
changed without notice.

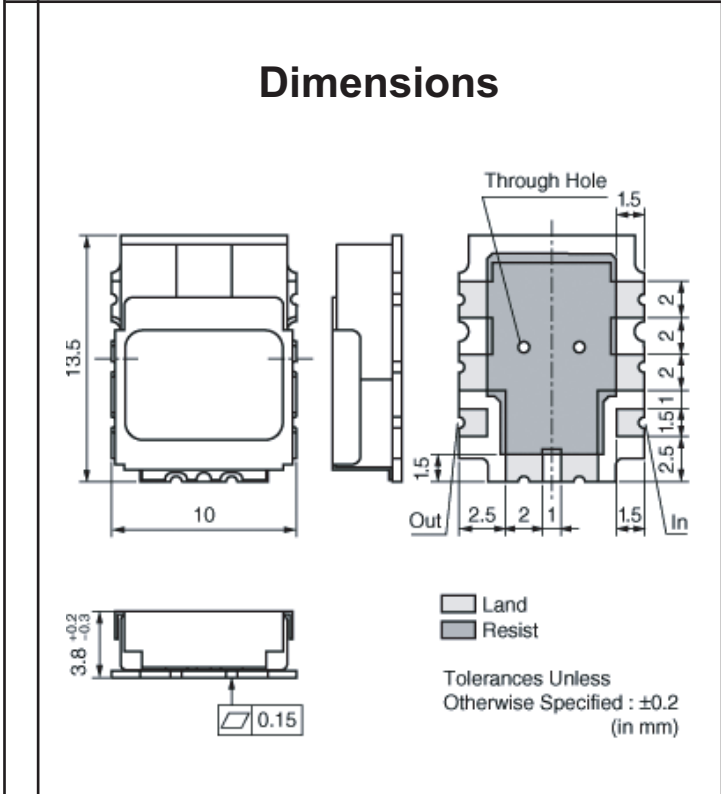
Recommended Pattern



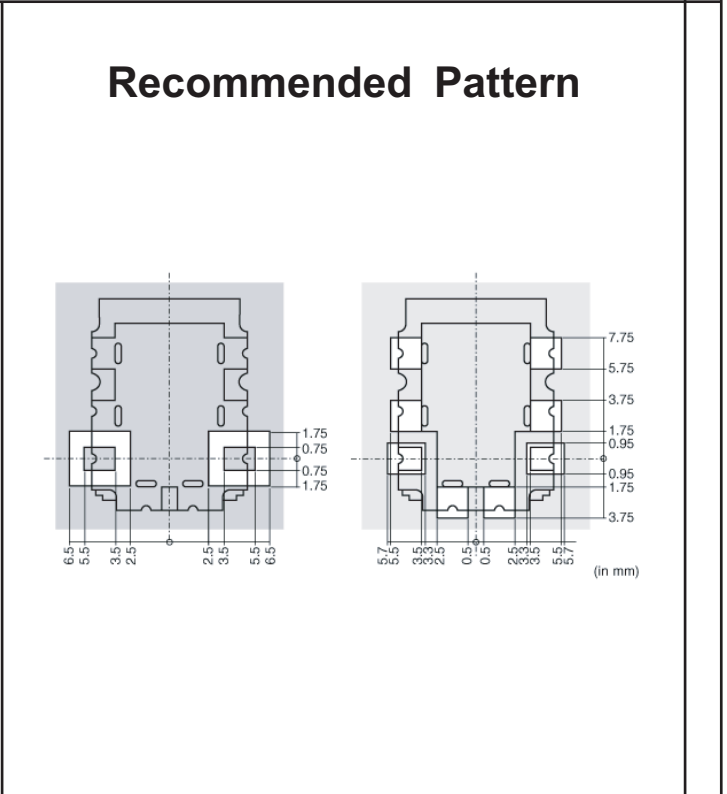
Typical Characteristic



DPP-22

[illegible]

Recommended Pattern

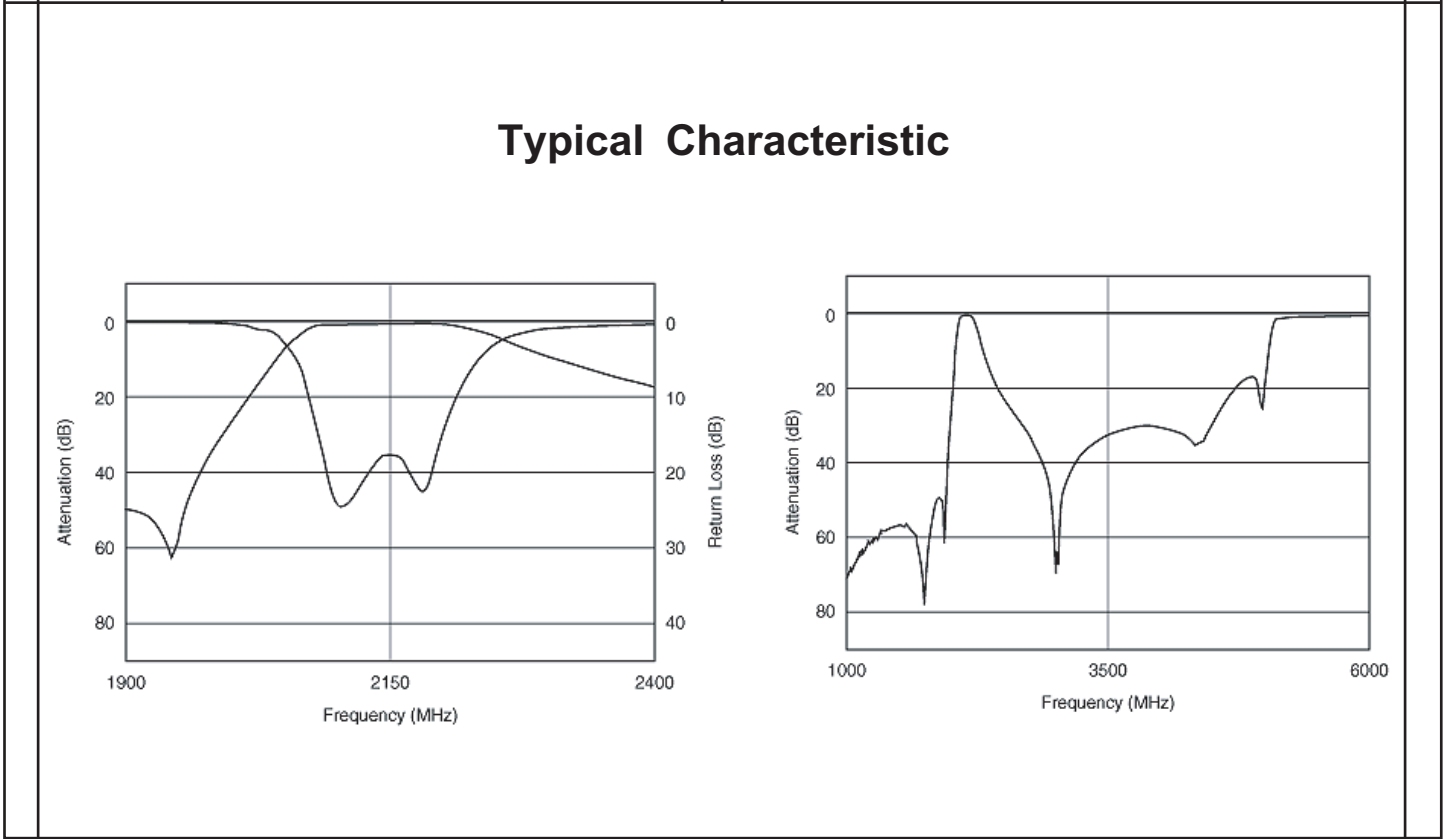


Typical Characteristic

The figure consists of two graphs illustrating typical characteristics.

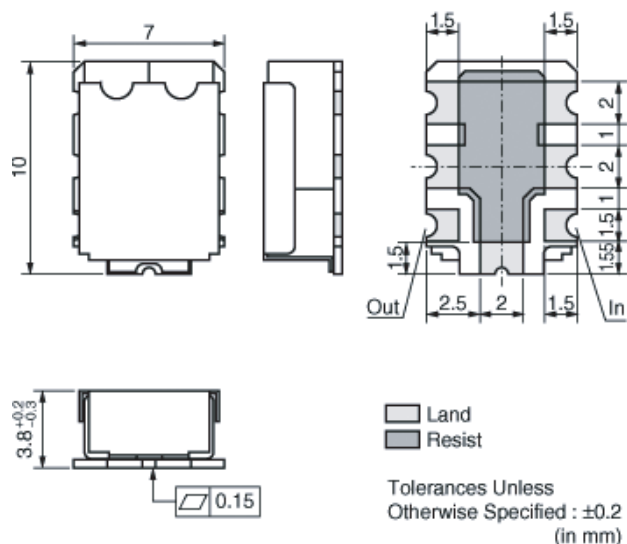
The left graph shows Attenuation (dB) and Return Loss (dB) versus Frequency (MHz) from 1900 to 2400 MHz. The Attenuation curve (left y-axis, 0 to 80 dB) shows a sharp dip around 2000 MHz, reaching approximately 60 dB. The Return Loss curve (right y-axis, 0 to 40 dB) shows a sharp peak around 2000 MHz, reaching approximately 30 dB.

The right graph shows Attenuation (dB) versus Frequency (MHz) from 1000 to 6000 MHz. The Attenuation curve (y-axis, 0 to 80 dB) shows several peaks and dips, with a prominent peak around 2000 MHz reaching approximately 60 dB, and another peak around 4000 MHz reaching approximately 20 dB.

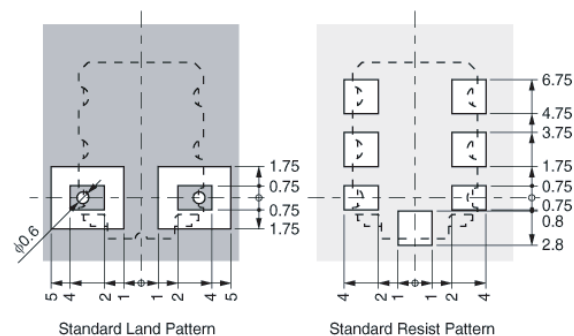


JL2R2442S84AA

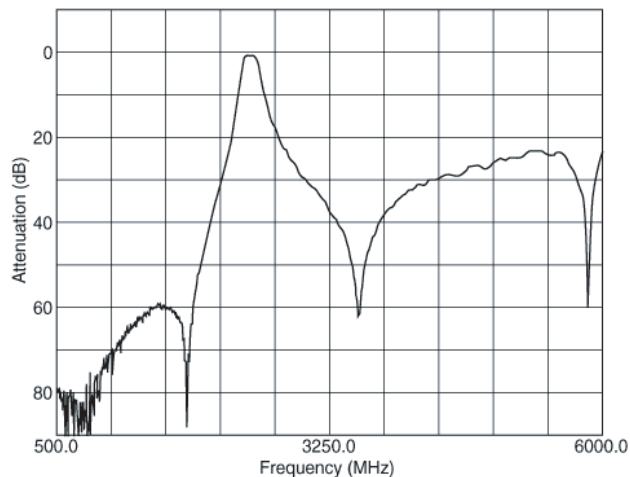
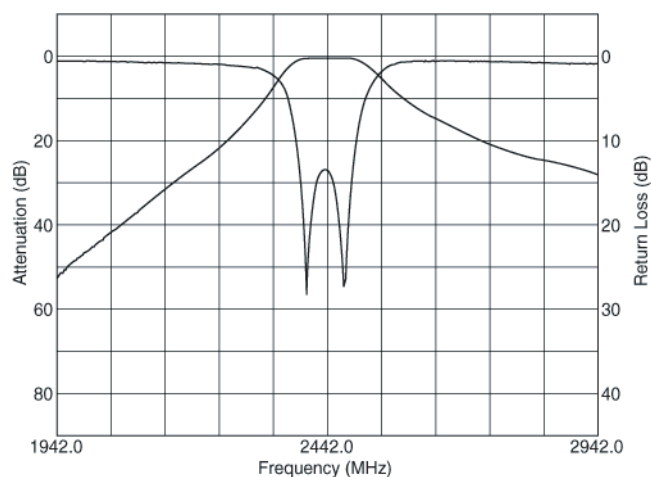
Dimensions



Recommended Pattern



Typical Characteristic



DPP-24