



Triplexer

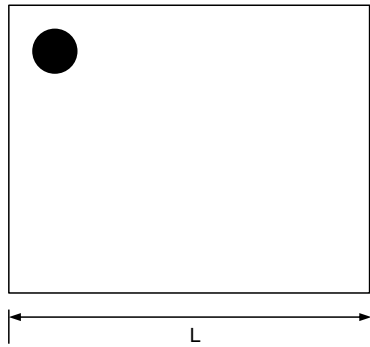
For 1427-2690MHz / 3400-3800MHz / 5150-5925MHz

2.5x2.0mm Size

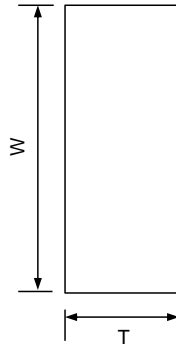
SPTR25202638512001

[Shapes and Dimensions]

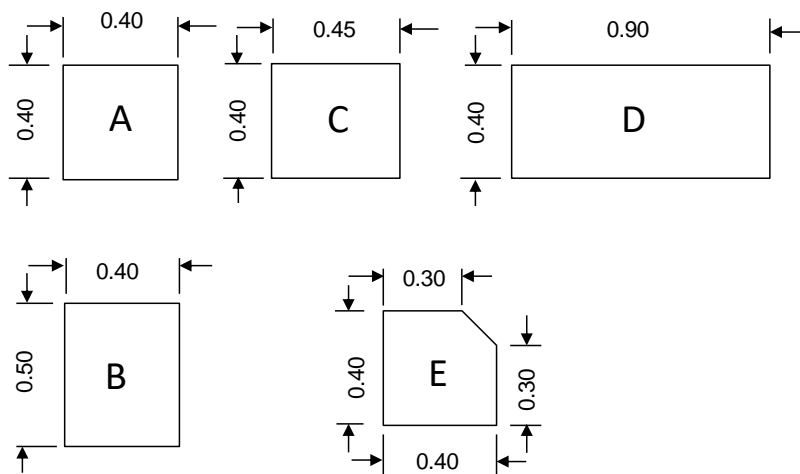
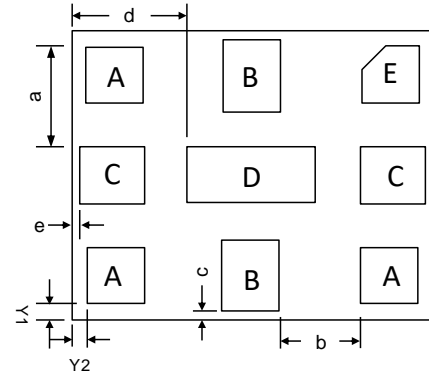
[Top View]



[Side View]



[Bottom View]

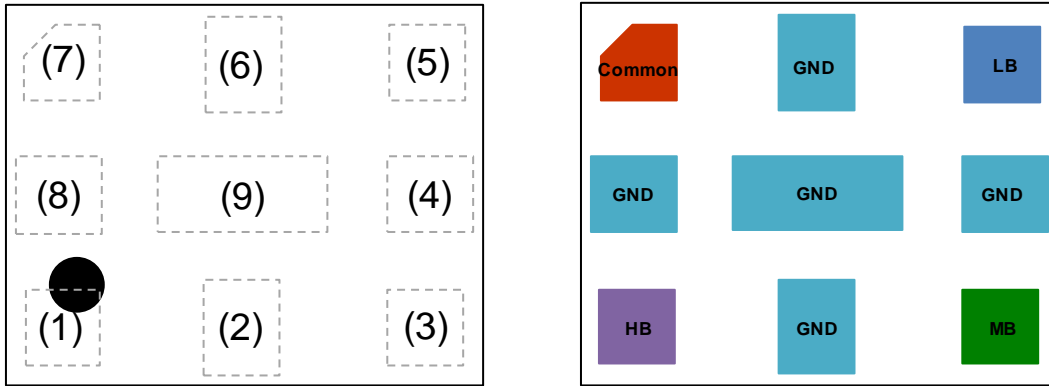


Dimensions (mm)

L	W	T	a	b	c	d	e	Y1	Y2
2.5	2.0	0.78	0.70	0.55	0.05	0.80	0.05	0.10	0.10
+/-0.10	+/-0.10	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05

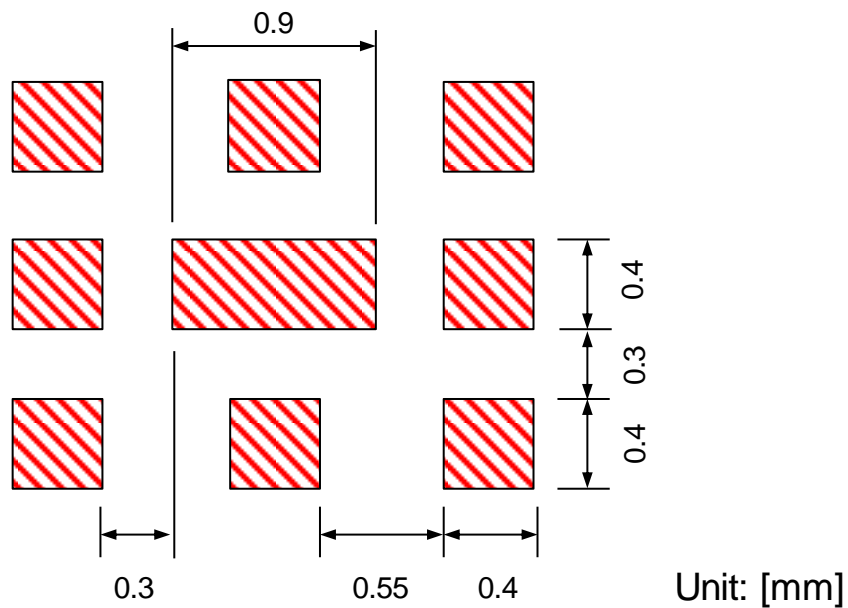
[Terminal Functions]

[Top View]



(1)	HB	(2)	GND	(3)	MB	(4)	GND	(5)	LB
(6)	GND	(7)	Common	(8)	GND	(9)	GND		

[Recommended Land Pattern]



Unit: [mm]

[Electrical Characteristics] (Measurement)

[Low Band]

Parameter		Frequency (MHz)	Target Spec		
			Min.	Typ.	Max.
LB	Insertion Loss (dB) (Ta = +25 +/-5°C)	1427 to 1511	-	0.21	
		1559 to 1563	-	0.21	
		1574 to 1576	-	0.22	
		1598 to 1606	-	0.23	
		1710 to 1785	-	0.27	
		1805 to 1885	-	0.30	
		1930 to 1990	-	0.35	
		2300 to 2496	-	0.54	
		2496 to 2690	-	0.74	
	Insertion Loss (dB) (-40°C to +90°C)	1427 to 1511	-		
		1559 to 1563	-		
		1574 to 1576	-		
		1598 to 1606	-		
		1710 to 1785	-		
		1805 to 1885	-		
		1930 to 1990	-		
		2300 to 2496	-		
		2496 to 2690	-		
	Return Loss (dB)	1427 to 2690		16	-
	Attenuation (dB)	3400 to 3800		25	-
5150 to 5925			43	-	
5925 to 12750			25	-	

[Electrical Characteristics] (Measurement)

[Mid Band]

Parameter		Frequency (MHz)	Target Spec		
			Min.	Typ.	Max.
MB	Insertion Loss (dB) (Ta = +25 +/-5°C)	3400 to 3800	-	1.21	
	Insertion Loss (dB) (-40°C to +90°C)	3400 to 3800	-		
	Return Loss (dB)	3400 to 3800		13	-
	Attenuation (dB)	617 to 1606		33	-
		1606 to 2400		31	-
		2400 to 2500		31	-
		2500 to 2690		22	-
		2700 to 3150		2.5	-
		4400 to 4900		4.0	-
		4900 to 5150		17	-
		5150 to 5925		25	-
		6250 to 6550		23	-
		6800 to 7200		22	-
		7200 to 9000		22	-
		10200 to 10800		33	-
13600 to 15200		20	-		

[High Band]

Parameter		Frequency (MHz)	Target Spec		
			Min.	Typ.	Max.
HB	Insertion Loss (dB) (Ta = +25 +/-5°C)	5150 to 5925	-	0.91	
	Insertion Loss (dB) (-40°C to +90°C)	5150 to 5925	-		
	Return Loss (dB)	5150 to 5925		14	-
	Attenuation (dB)	100 to 960		41	-
		1166 to 1249		40	-
		1427 to 1610		38	-
		1695 to 2200		38	-
		2300 to 2370		40	-
		2400 to 2484		42	-
		2496 to 2690		44	-
		3400 to 3800		19	-
		10300 to 11850		20	-
15450 to 17775		16	-		

[Electrical Characteristics] (Measurement)

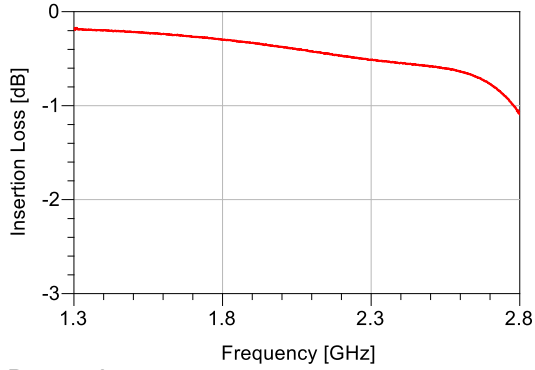
[Common]

Parameter		Frequency (MHz)	Target Spec		
			Min.	Typ.	Max.
MB-LB	Isolation (dB)	617 to 960		41	-
		1427 to 1606		33	-
		1695 to 1710		33	-
		1710 to 2200		31	-
		2300 to 2690		24	-
		3400 to 3600		26	-
		3600 to 3800		24	-
		5150 to 5925		44	-
HB-LB	Isolation (dB)	617 to 960		41	-
		1427 to 1606		39	-
		1695 to 1710		39	-
		1710 to 2690		49	-
		3400 to 3800		45	-
		5150 to 5925		41	-
MB-HB	Isolation (dB)	617 to 960		72	-
		1427 to 1606		66	-
		1710 to 2690		68	-
		3400 to 3800		45	-
		5150 to 5925		20	-

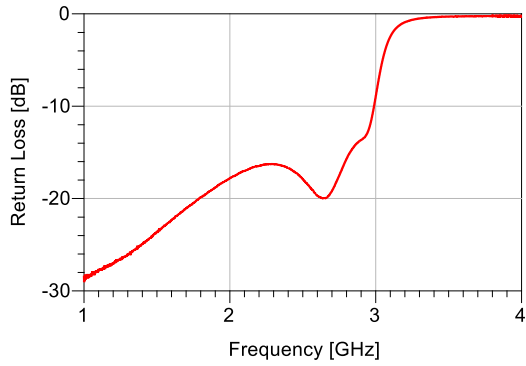
[Frequency Characteristics]

[Low Band]

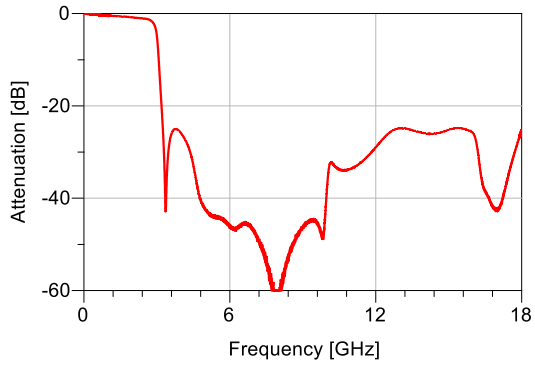
Insertion Loss



Return Loss

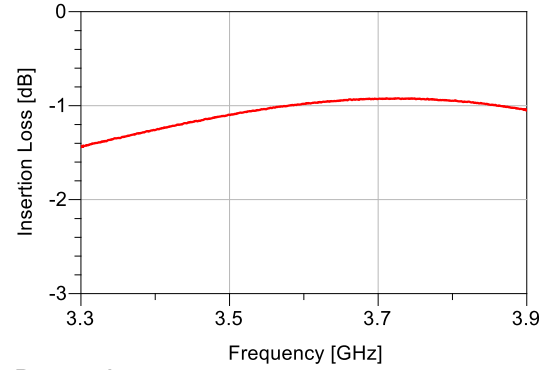


Attenuation

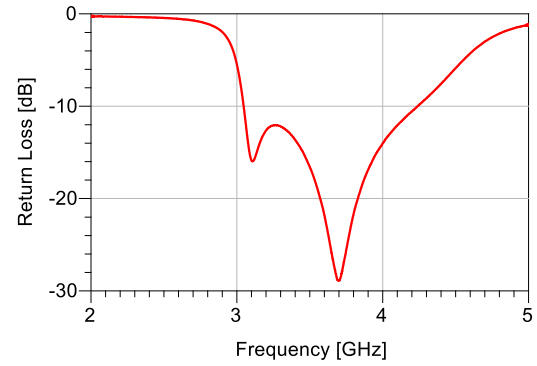


[Mid Band]

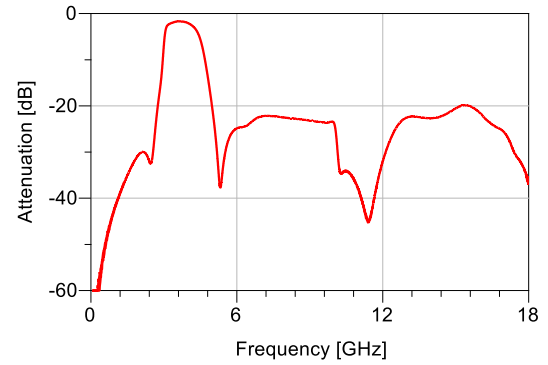
Insertion Loss



Return Loss



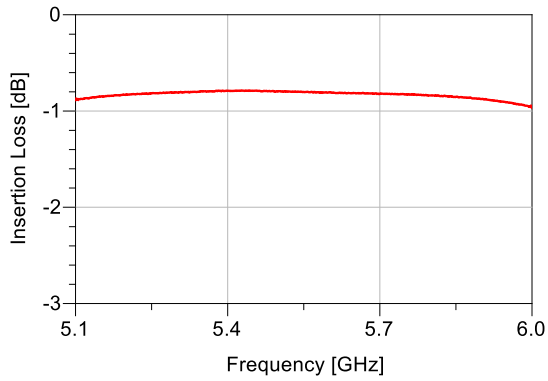
Attenuation



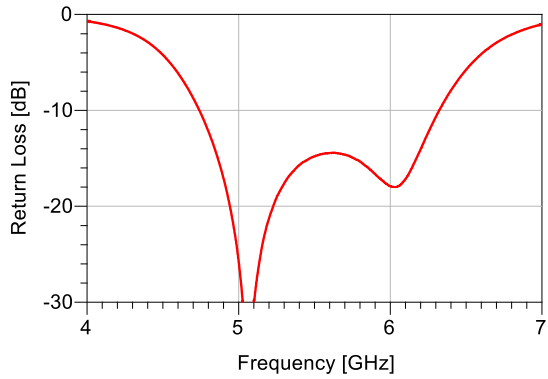
[Frequency Characteristics]

[High Band]

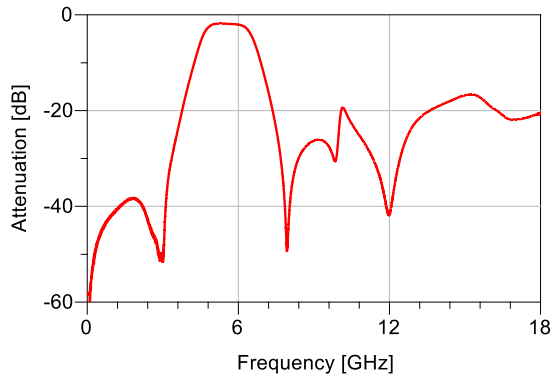
Insertion Loss



Return Loss



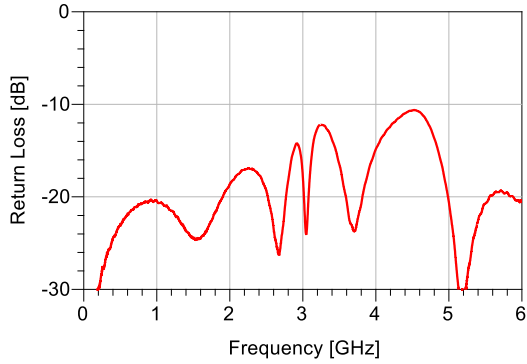
Attenuation



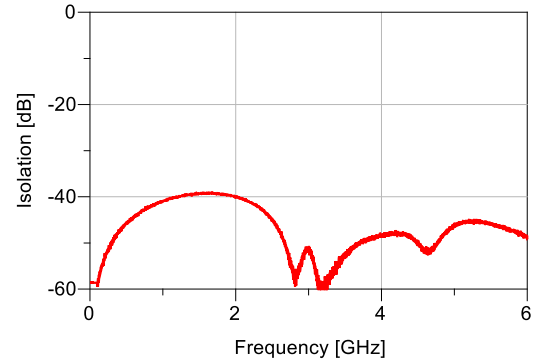
[Frequency Characteristics]

[Common]

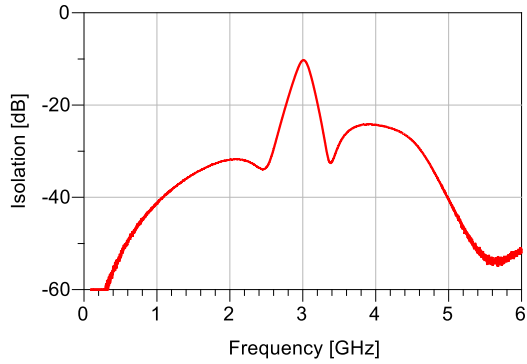
Return Loss



Isolation: LB to HB



Isolation: MB to LB



Isolation: MB to HB

