

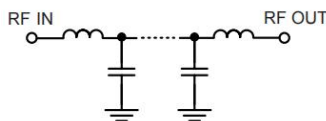
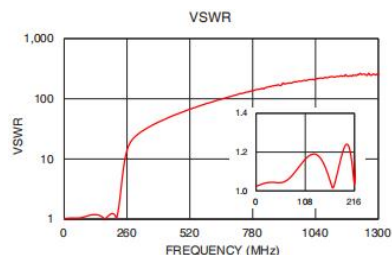


- High rejection
- Sharp insertion loss roll-off
- Ultra miniature surface mount package

- Wireless communications
- Receivers / Transmitters
- Lab use

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-216	-	1.5	2.0	dB
	Freq. Cut-Off	232	-	3.0	-	dB
	VSWR	DC-216	-	1.5	-	:1
Stop Band	Insertion Loss	295-450	20	27	-	dB
		450-1300	40	47	-	dB
	VSWR	295-1300	-	20	-	:1

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1	0.16	1.03	1	3.33
10	0.17	1.03	3	3.11
50	0.29	1.04	5	3.04
100	0.47	1.14	10	3.02
200	1.09	1.24	50	3.05
216	1.40	1.04	60	3.09
232	3.38	2.46	70	3.14
250	11.36	9.23	80	3.19
260	16.91	13.91	90	3.26
267	20.84	16.61	100	3.34
283	30.21	21.17	110	3.42
295	38.52	23.77	120	3.53
340	45.35	31.96	130	3.67
450	49.18	52.29	140	3.84
500	51.25	62.43	150	4.06
750	54.40	127.26	160	4.32
1000	54.99	199.91	180	4.99
1100	54.71	228.39	200	6.07
1200	53.94	242.75	210	7.18
1300	52.26	253.18	216	8.20



Permanent damage may occur if any of these limits are exceeded.

INPUT	1
OUTPUT	3
GROUND	2,4,5,6

A	6.35	J	1.27
B	6.35	K	1.17
C	2.10	L	4.27
D	1.90	M	2.97
E	3.18	N	1.07
F	2.34	P	6.60
G	5.11	Q	5.94
H	1.04	WT	0.25g

Figure 1 is a technical drawing of a square microvia. It shows a square pad with a central circular hole. The dimensions are as follows:

- Trace Width:** 0.08
- Plating Thickness (Plcs):** 2 Plcs (on the trace) and 4 Plcs (on the wall)
- Space Width:** 0.15
- Hole Diameter:** 0.083
- Plating Thickness (PTH):** 0.016 (typical)
- Annular Ring Thickness:** 0.031
- Via Diameter:** 0.250