

* Pb-free
* Halogen and antimony-free

2mm Square Isolator

P/N: HSMI-V2KA2595M01-T

(1) (2) (3) (4) (5) (6) (7) (8)

for UMTS BAND 38

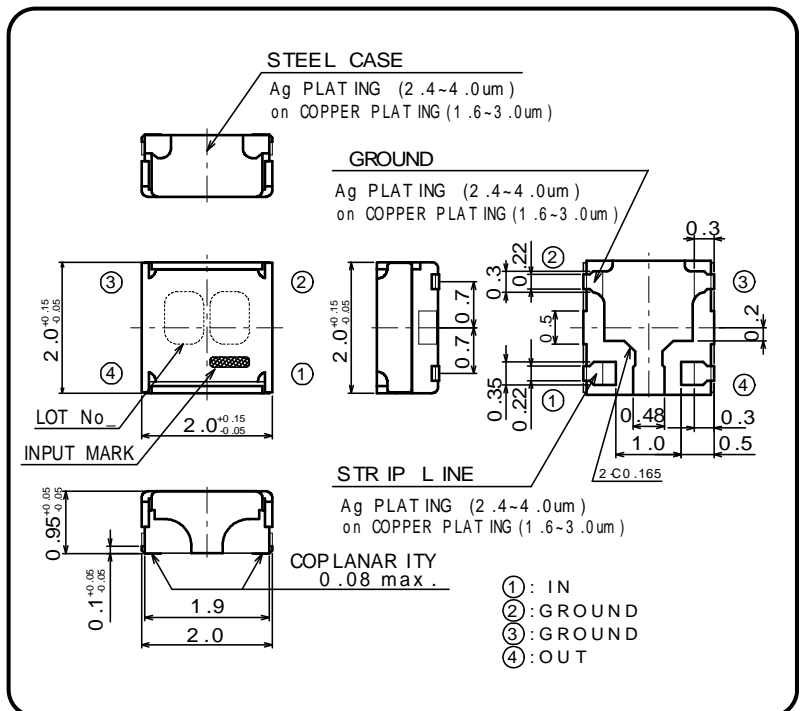
- (1) Series code
- (2) Size >> V2:2.0x2.0mm
- (3) Height >> K:1.0mm
- (4) Model code
- (5) Center Frequency
- (6) M : MHz / G : GHz
- (7) Control No.
- (8) T : Taping / Blank : Bulk

Specification Tentative as of Jan.'11

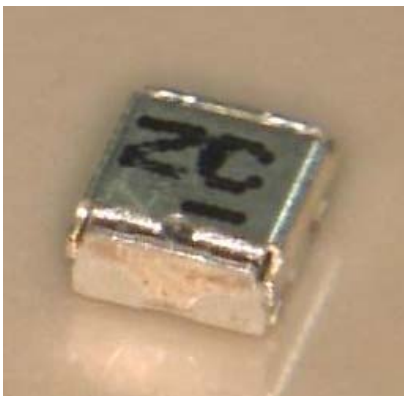
Frequency	2570-2620 MHz
Insertion Loss_1*	0.55 dB max
Insertion Loss_2	0.70 dB max
Isolation	8 dB min
VSWR_In	1.5 max
VSWR_Out	1.6 max
Attenuation 2f	5 dB min
Attenuation 3f	10 dB min
Handling Power	2.5 W max
Reflection Power	0.6 W max
Operating temperature	-35 to +85 deg.C
Weight	0.019 g
Reel size	φ 330 mm
Minimum Quantity	4,000 pcs /reel

* at +20 to +30 (deg.C)

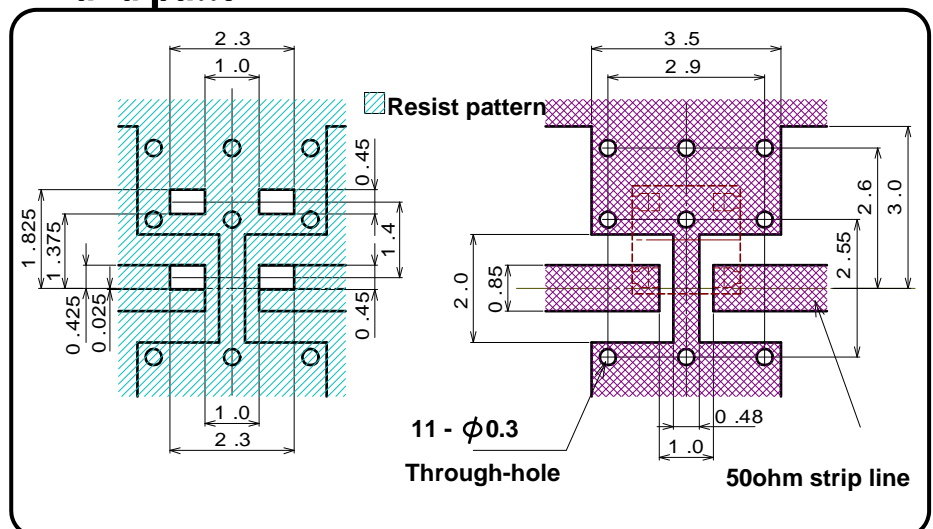
Dimensions



Appearance



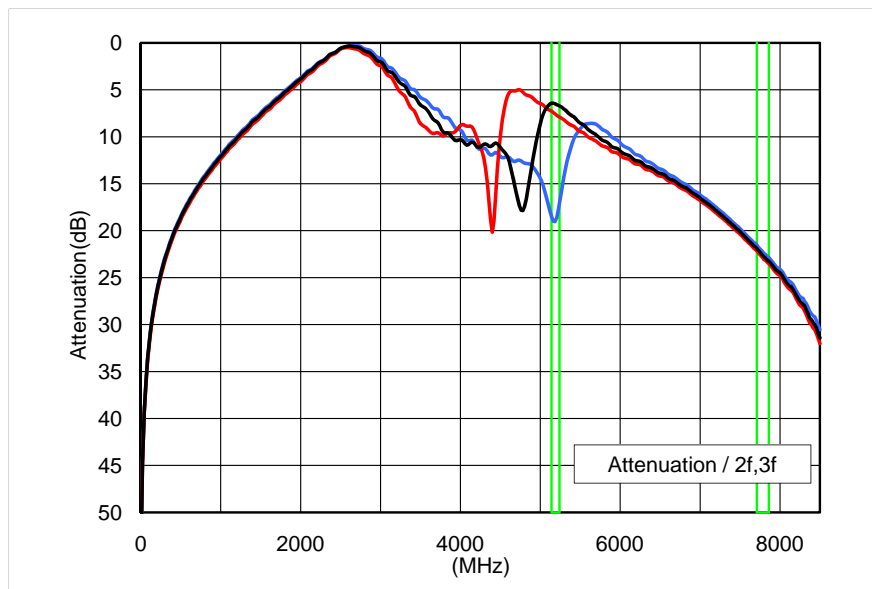
Land pattern



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TEMPERATURE CHARACTERISTIC DATA



MODEL	HSMI-V2KA2595M
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DATE.	17,JAN.2011
DATA-No.	TBE917

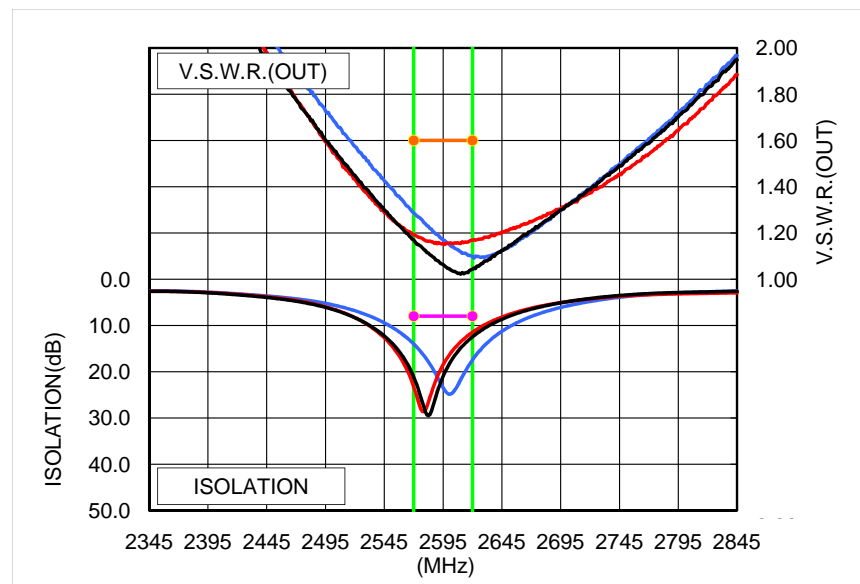
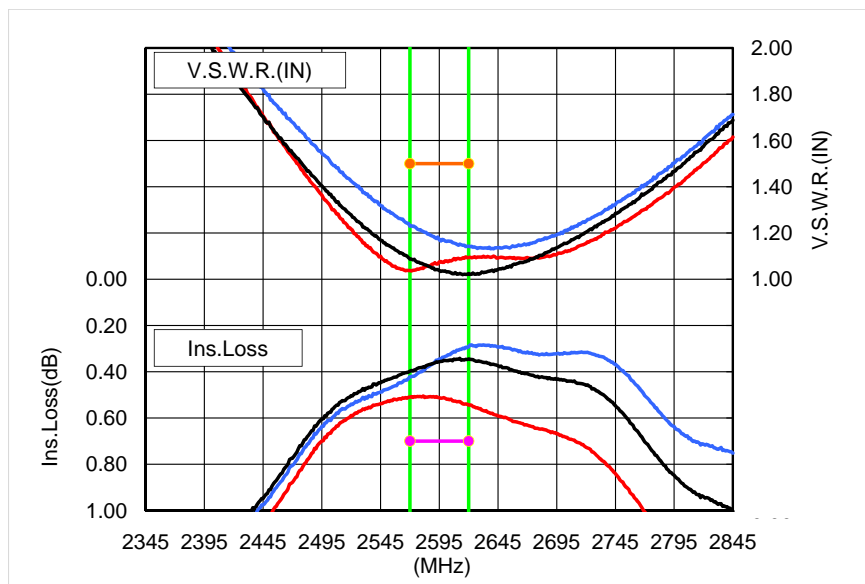
Sample No.01

TEMP (°C)	Ins. Loss (dB)			Isolation (dB)			V.S.W.R (IN)			V.S.W.R (OUT)		
	2570	2595	2620	2570	2595	2620	2570	2595	2620	2570	2595	2620
-35	0.422	0.346	0.291	14.0	23.5	17.4	1.23	1.17	1.14	1.29	1.17	1.10
+85	0.510	0.512	0.545	23.3	18.5	11.5	1.04	1.07	1.09	1.19	1.15	1.17
+25	0.398	0.357	0.345	21.1	21.0	12.4	1.09	1.04	1.02	1.17	1.06	1.04

TEMP (°C)	ATTENUATION(dB)			
	2f(MHz)		3f(MHz)	
-35	18.5	17.1	21.5	22.9
+85	7.3	7.9	22.1	23.5
+25	6.4	6.7	21.9	23.3

TEMP (°C)	-35
	+85
	+25

Reference Data



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TEMPERATURE CHARACTERISTIC DATA

MODEL	HSMI-V2KA2595M
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DATE.	17,JAN.2011
DATA-No.	TBE917

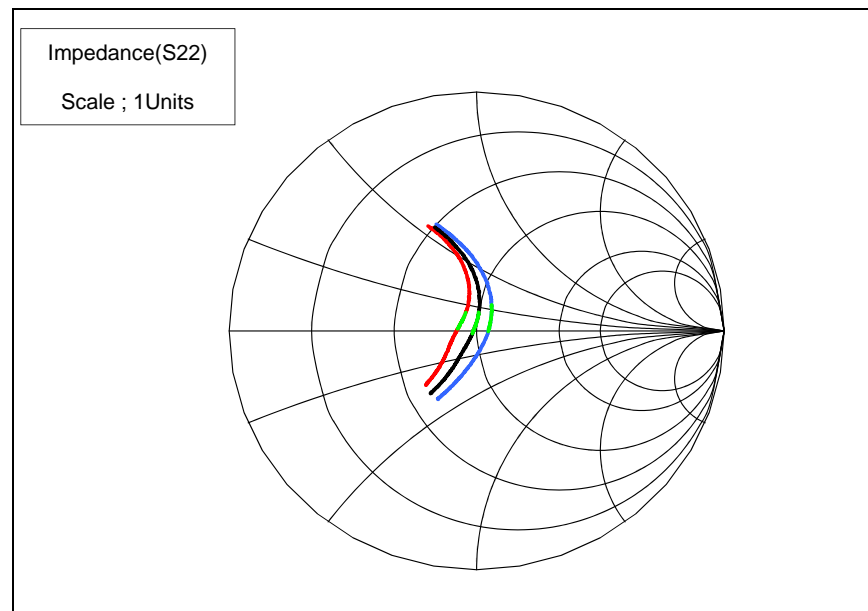
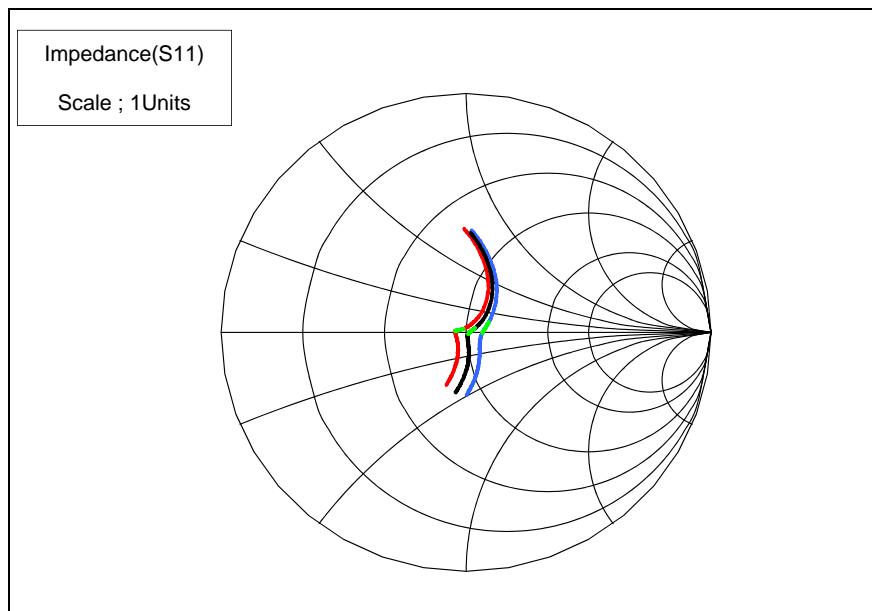
Sample No_01

TEMP.(°C)	Impedance(S11)					
	R			iX		
	2570	2595	2620	2570	2595	2620
-35	60.2	58.3	57.1	5.4	2.1	-0.5
+85	49.0	46.7	45.7	1.5	0.9	0.3
+25	53.8	51.8	50.9	2.1	0.3	-0.8

TEMP.(°C)	
—	-35
—	+85
—	+25
f=2570-2620MHz	

Sample No_01

TEMP.(°C)	Impedance(S22)					
	R			iX		
	2570	2595	2620	2570	2595	2620
-35	56.4	56.1	54.9	12.2	5.9	-0.3
+85	45.8	44.3	42.9	7.0	3.4	0.8
+25	50.8	49.8	48.3	7.9	3.1	-1.1



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