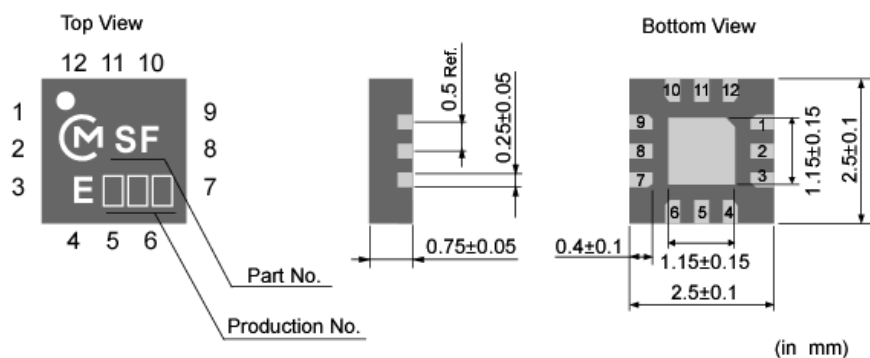


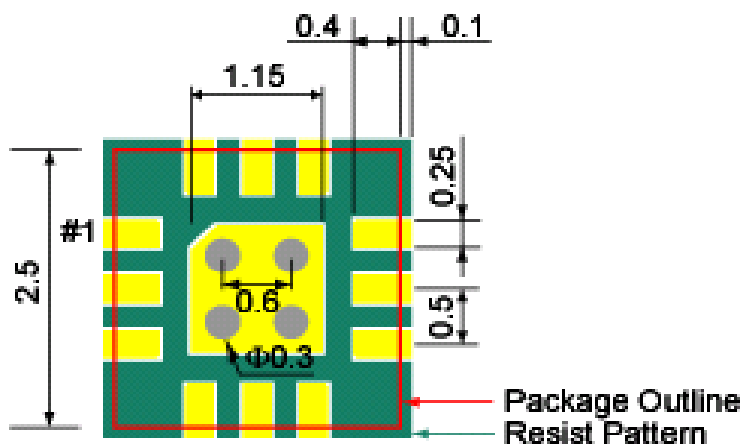
Package Outline and Pin Connections



Pin No.	Function	Pin No.	Function
1	GND	7	CTL1
2	Port3	8	Port1
3	CTL3	9	GND
4	GND	10	GND
5	ANT	11	Port2
6	GND	12	CTL2

Backside Terminal : GND

Land Pattern



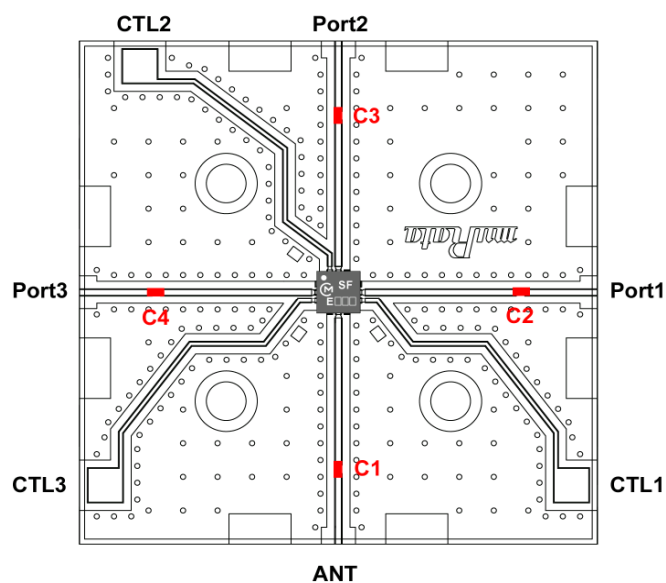
□ Truth Table

Path	CTL1	CTL2	CTL3
ANT-Port1	H	L	L
ANT-Port2	L	H	L
ANT-Port3	L	L	H

H: 2.8V

L: 0V

□ Evaluation Board



Parts List

Part No.	Products	Value
C1-C4	GRM155 (Murata)	47 pF

Substrate

Material :FR4 ($\epsilon_r = 4.4$)
 Size : 30mm x 30mm
 Thickness : 0.2mm + Dummy 0.4mm

□ Typical Performance Data (On Evaluation Board, Fixture's Loss de-embedded)

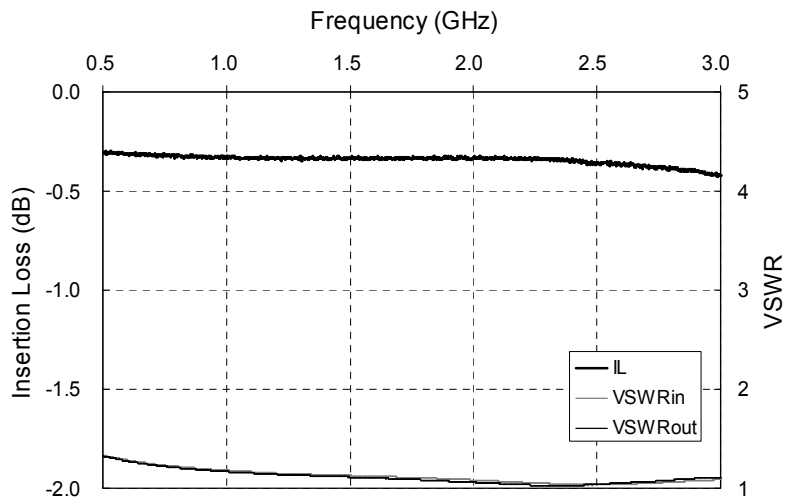


Fig.1 Insertion Loss and VSWR vs. Frequency ($V_{CTL(H)}=2.6V$)

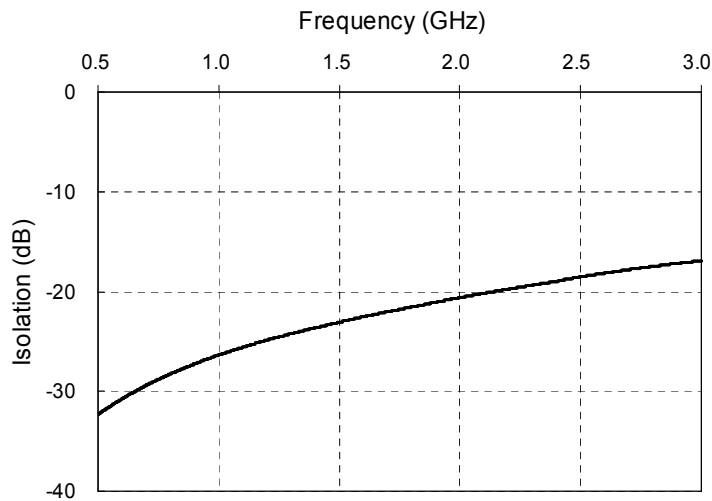


Fig.2 Isolation (ANT-Port) vs. Frequency ($V_{CTL(H)}=2.6V$)

□ Typical Performance Data (On Evaluation Board, Fixture's Loss de-embedded)

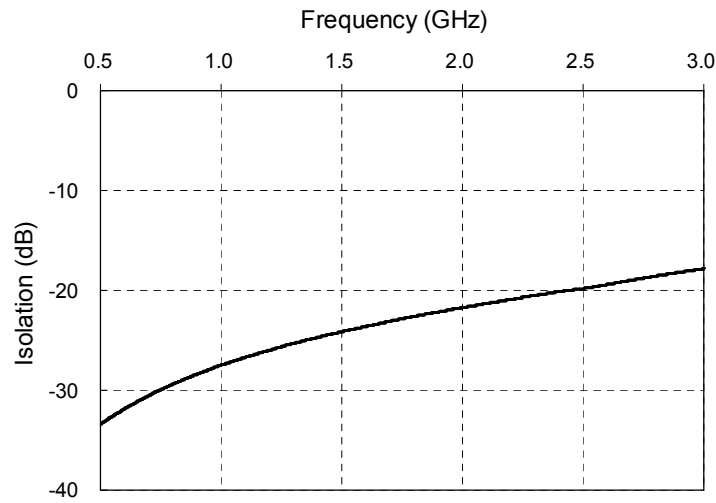


Fig.3 Isolation (Port-Port) vs. Frequency ($V_{CTL(H)}=2.6V$)

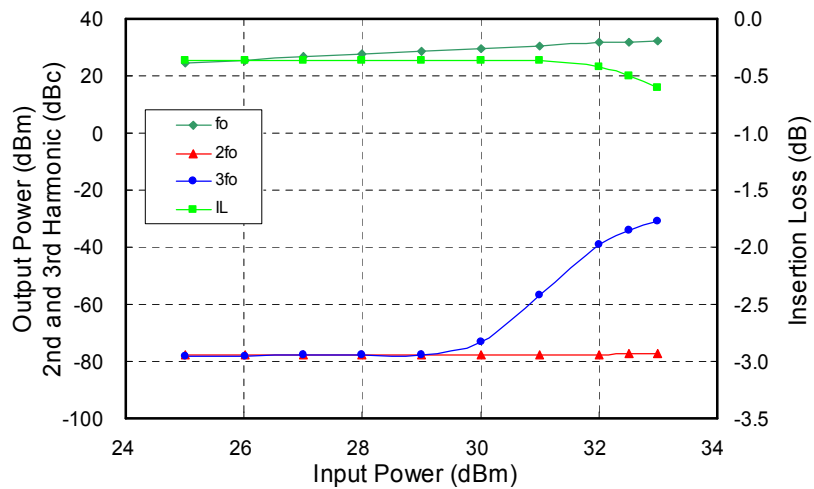


Fig.4 Power Characteristics ($V_{CTL(H)}=2.6V$)

□ Typical Performance Data (On Evaluation Board, Fixture's Loss de-embedded)

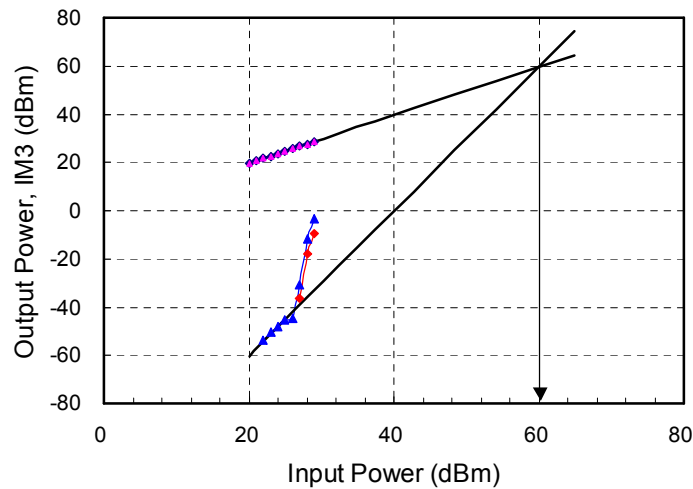


Fig.5 3rd-order Input Intercept Point ($V_{CTL(H)}=2.8V$)



CAUTION -Limitation of Applications-

The product is designed and manufactured for consumer application only and is not available for any application listed below which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property.

- Aircraft equipment.
- Aerospace equipment.
- Undersea equipment.
- Medical equipment.
- Transportation equipment (vehicles, trains, ships, etc.).
- Traffic signal equipment.
- Disaster prevention / crime prevention equipment.
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.