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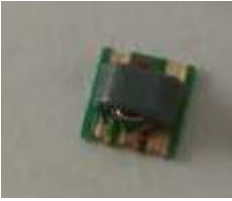
SL016064 3-300MHZ 1:2 RF flux transformer

1:2 RF transformer Frequency: 3-300MHZ.

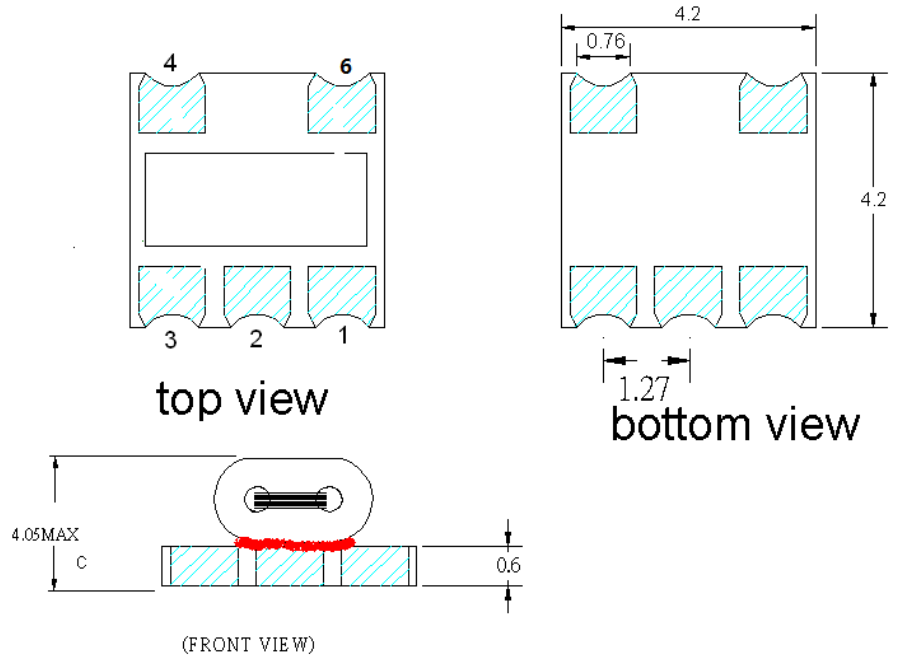
Feature:

- .1 : 2 impedance transformer.
- .SMT part.
- .Packaging 2000pcs per ree.
- .used in 50ohm systems.

ROHS COMPLIANT



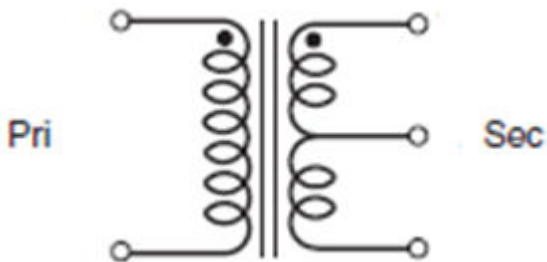
Base dimension



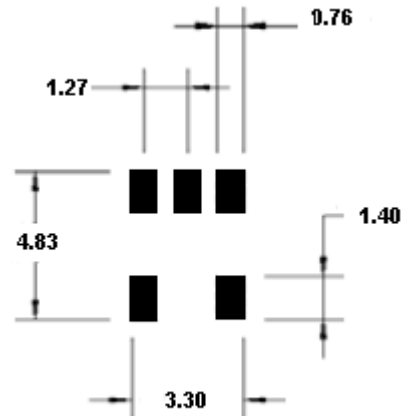
top view

bottom view

(FRONT VIEW)



SCHEMATIC



Recommended pcb configuration

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Maximum Ratings

| | |
|-----------------------|----------------|
| Operating Temperature | -40°C to 85°C |
| Storage Temperature | -55°C to 100°C |
| RF Power | 0.25W |
| DC Current | 30mA |

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

Pin Connections

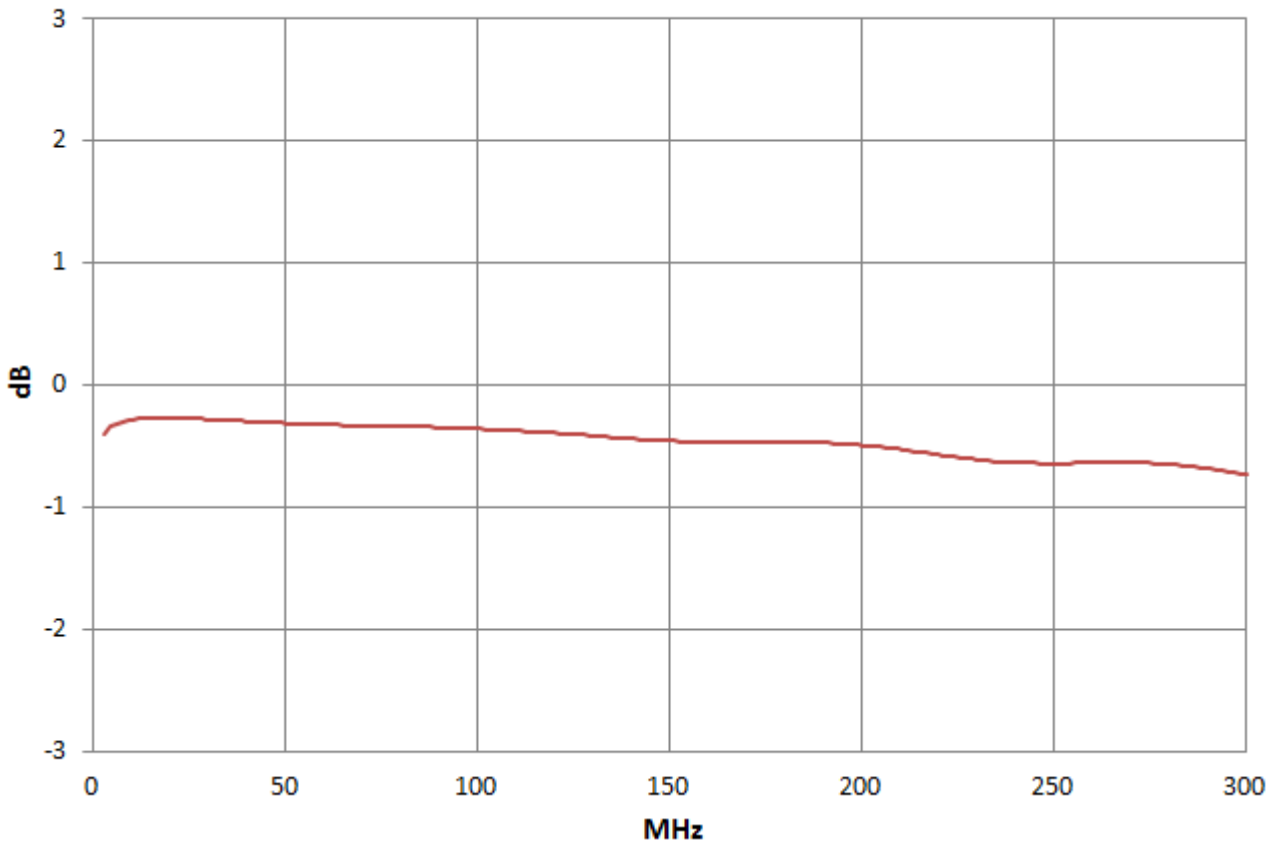
| | |
|---------------|---|
| PRIMARY DOT | 6 |
| PRIMARY | 4 |
| SECONDARY DOT | 1 |
| SECONDARY | 3 |
| SECONDARY CT | 2 |

| Electrical Specifications: TA=25°C, Zo=50Ω Pin=0dbm | | | | | |
|---|-----------------|--------|------|------|-------|
| Parameter | Test Conditions | Units | Min. | Typ. | Max. |
| Insertion Loss(Pin6-1) | 3 - 300MHz | dB | ---- | 0.75 | 1.0 |
| Insertion Loss(Pin6-3) | 3 - 300MHz | dB | ---- | 0.35 | 1.0 |
| Amplitude Balance | 3 - 300MHz | dB | ---- | ±0.5 | ±0.65 |
| Phase Balance | 3 - 300MHz | Degree | ---- | ±3 | ±5 |
| Input return loss | 3 -300MHZ | dB | 10 | 16 | --- |
| RF Power Rating (max) | | 250mW | | | |
| DC Current Rating (max) | | 30mA | | | |
| Test Impedance (50Ω,75Ω, etc.) | | 50OHM | | | |

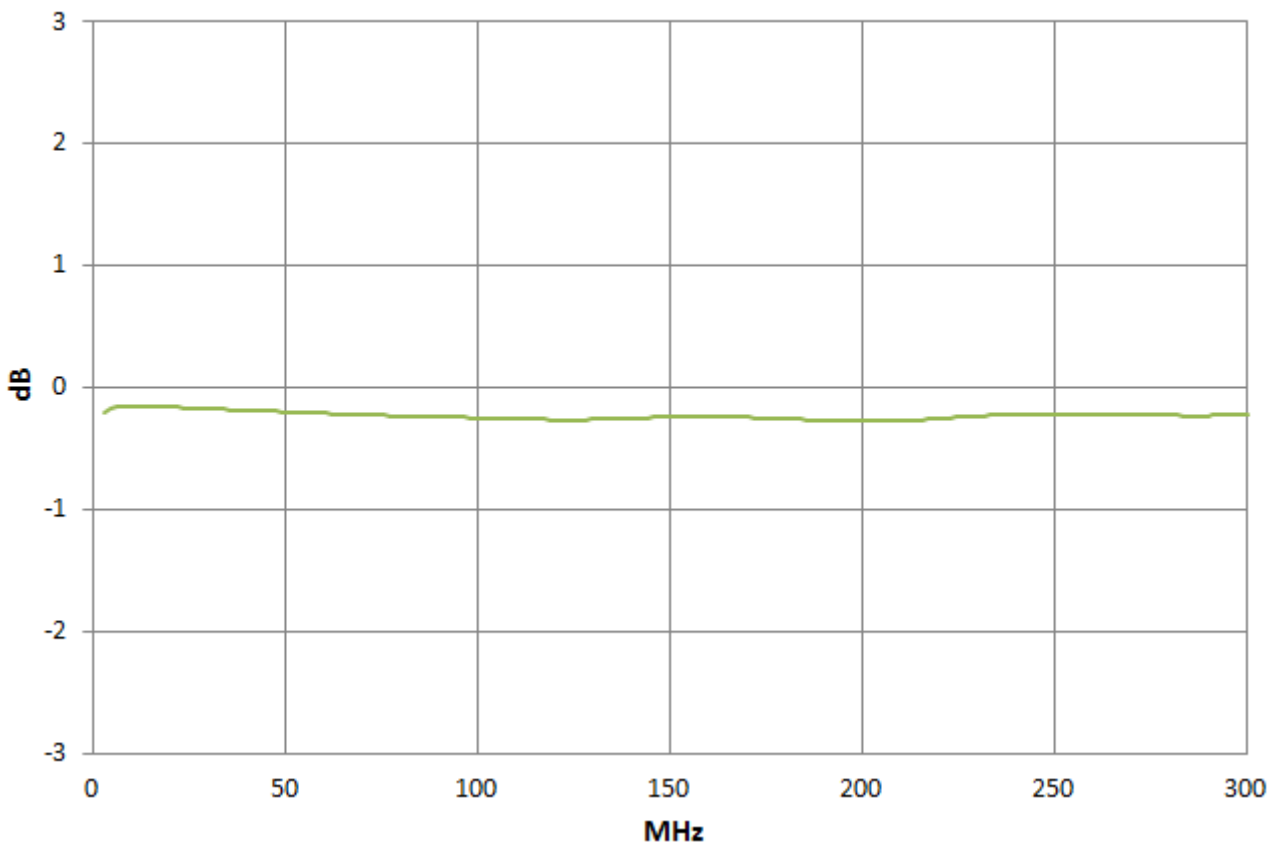
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Insertion Loss 6-1



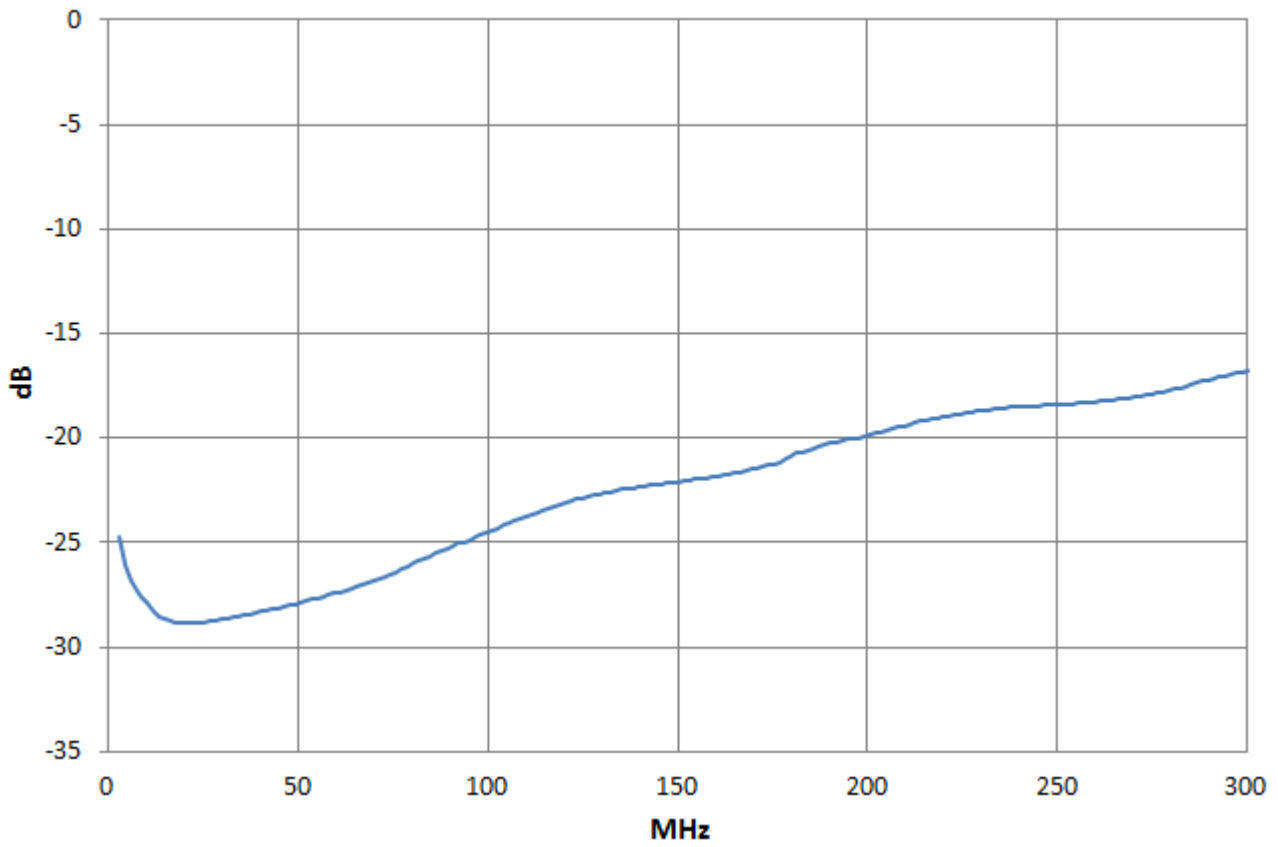
Insertion Loss 6-3



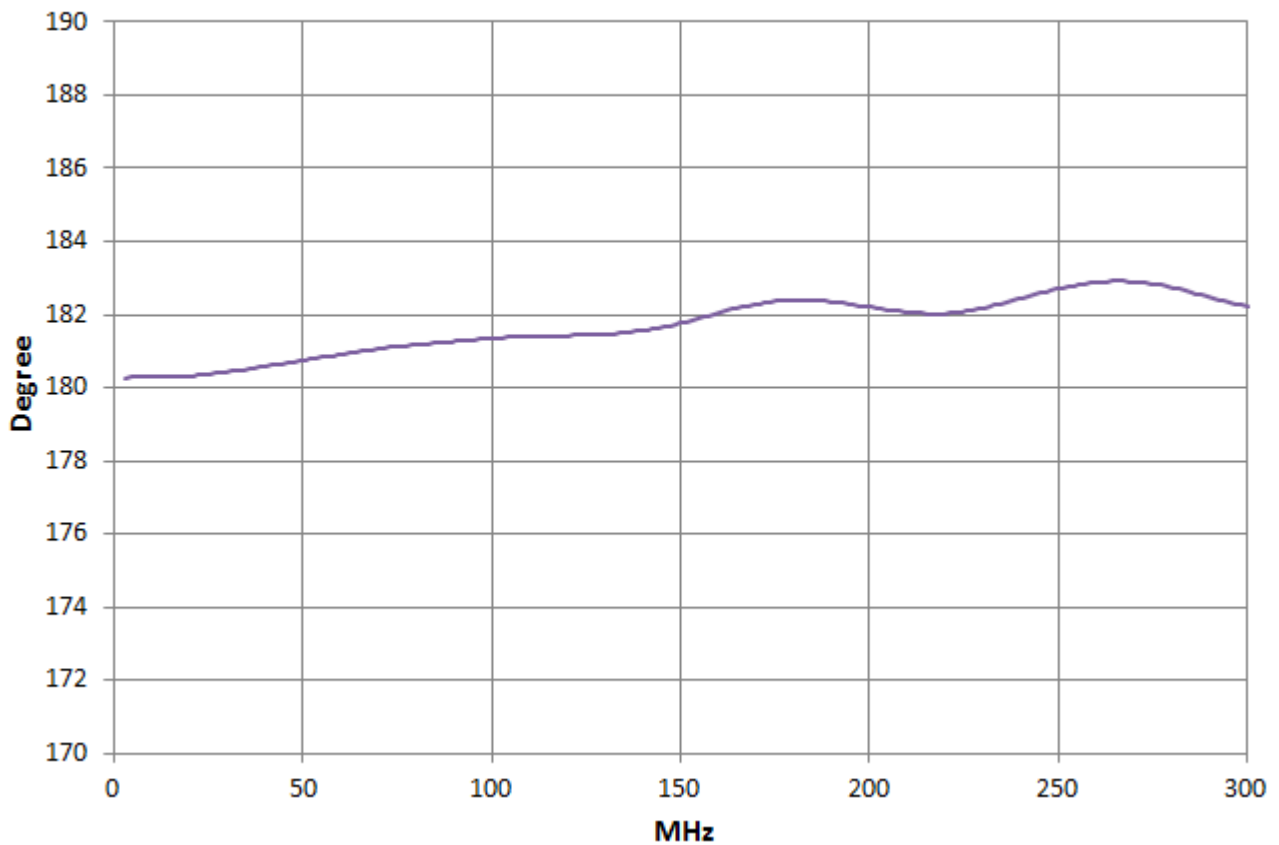
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Input Return Loss



Phase



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Amplitude

