

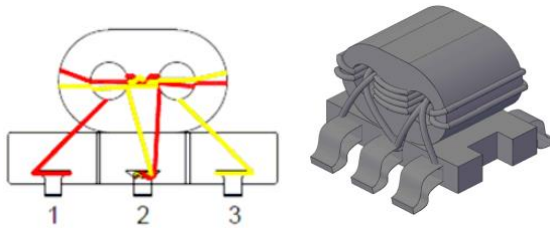
RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-00A**

RF

Features:

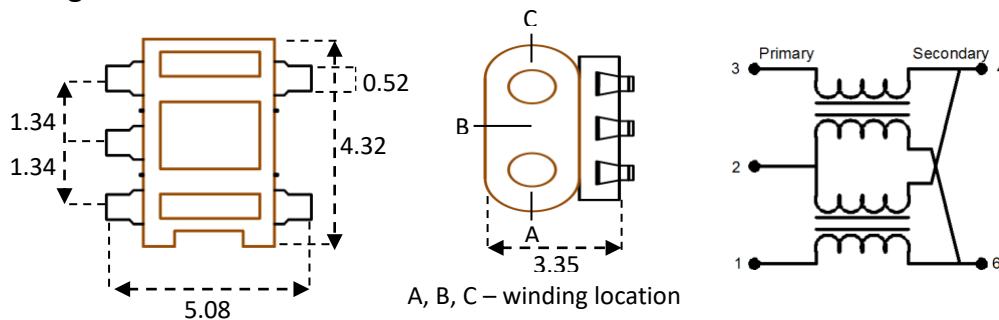
- Suitable for 50Ω and 75Ω
- Balanced to unbalanced
- Impedance Transformer with DC center taps in a Surface Mount Package
- 3.2:1 RF Balun Transformer



Applications:

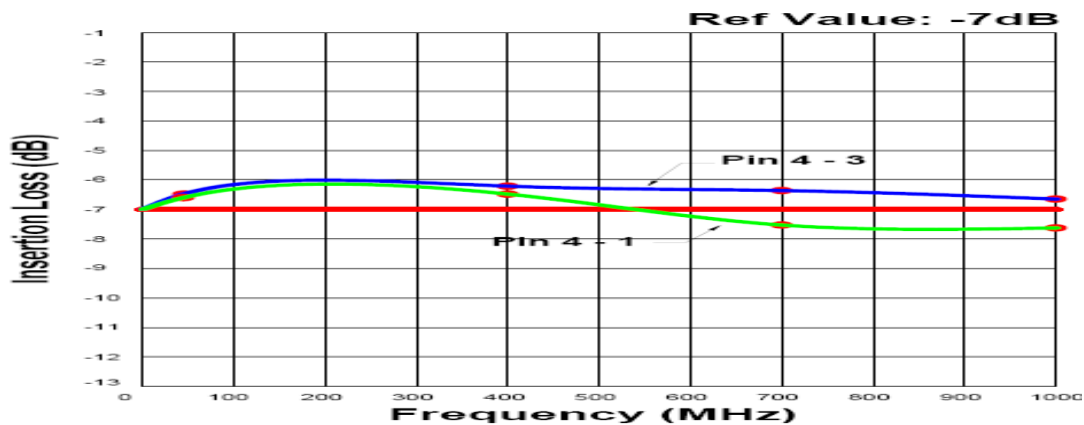
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Specification A | Specification B | Note |
|--------------------------|-----------------|-----------------|-----------------|-------------------------|
| Insertion Loss (Pin 4-3) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | SPEC A is initial value |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 6.0 dB max | Initial ± 2dB | |
| Insertion Loss (Pin 4-1) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 6.0 dB max | Initial ± 2dB | |



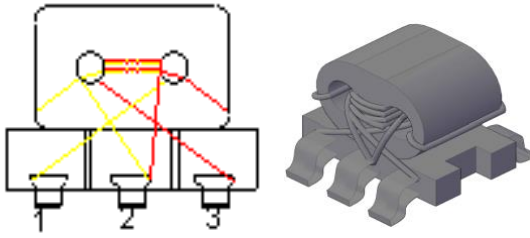
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-00B**

RF



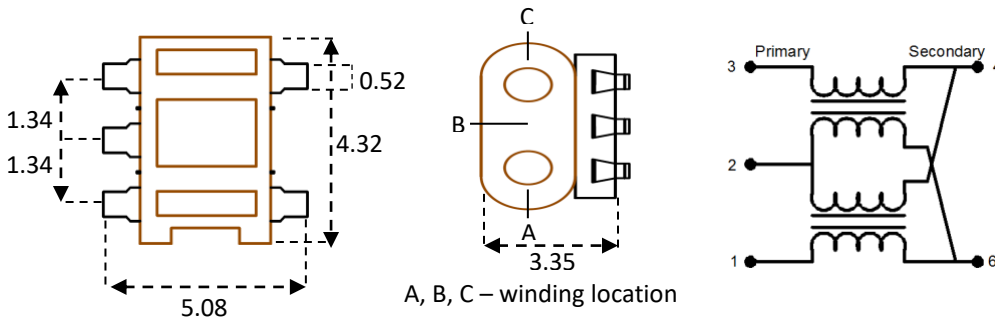
Features:

- Suitable for 50Ω and 75Ω
- Balanced to unbalanced
- Impedance Transformer with DC center taps in a Surface Mount Package
- 2.8:1 RF Balun Transformer

Applications:

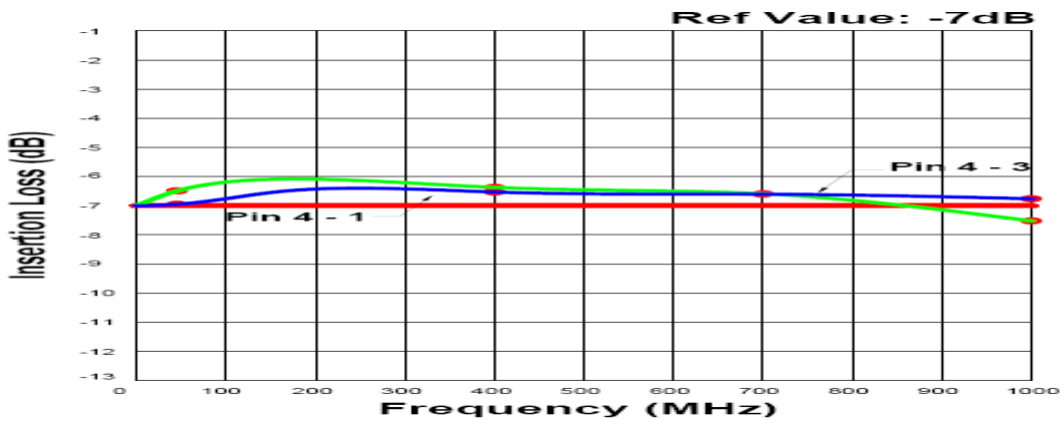
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Specification A | Specification B | Note |
|--------------------------|-----------------|-----------------|-----------------|-------------------------|
| Insertion Loss (Pin 4-3) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | SPEC A is initial value |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 6.0 dB max | Initial ± 2dB | |
| Insertion Loss (Pin 4-1) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 6.0 dB max | Initial ± 2dB | |



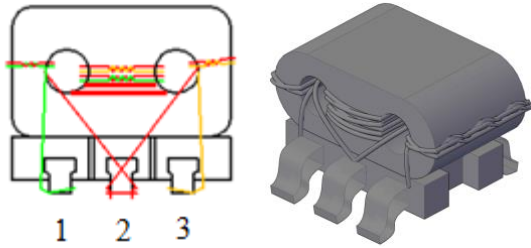
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-00C**

RF



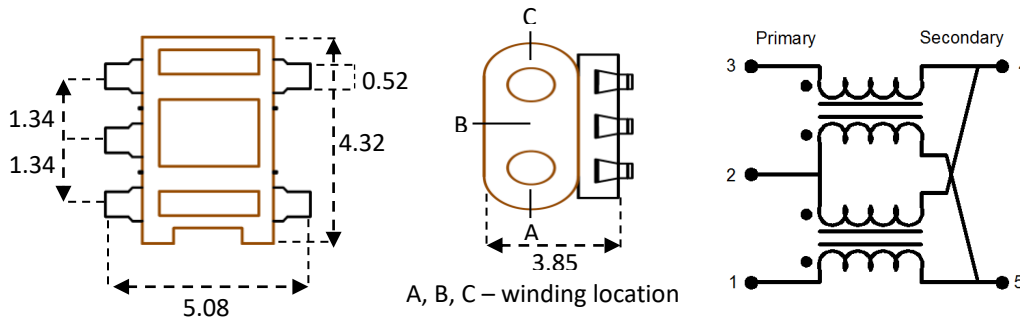
Features:

- Suitable for 50Ω and 75Ω
- Balanced to unbalanced
- Impedance Transformer
- with DC center taps in a Surface Mount Package
- 2.44:1 RF Balun Transformer

Applications:

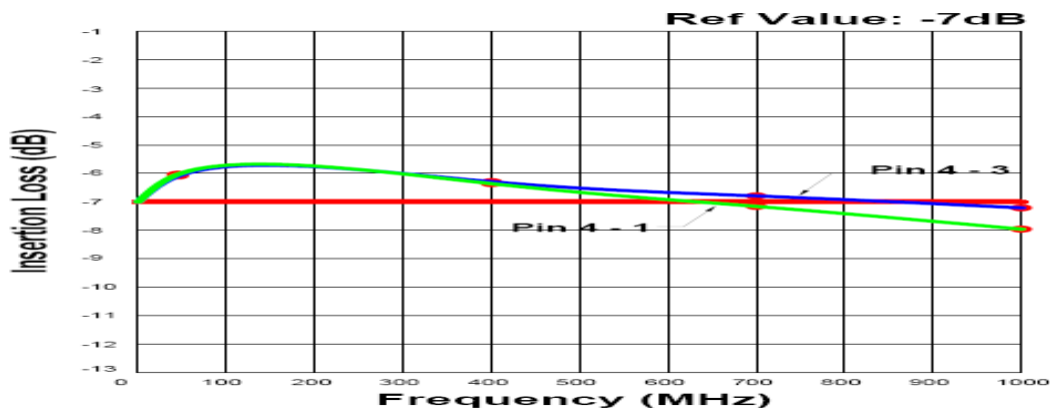
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Specification A | Specification B | Note |
|--------------------------|-----------------|-----------------|-----------------|-------------------------|
| Insertion Loss (Pin 4-3) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | SPEC A is initial value |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 6.0 dB max | Initial ± 2dB | |
| Insertion Loss (Pin 4-1) | @ 45 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 400 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 700 MHz | 6.0 dB max | Initial ± 2dB | |
| | @ 1 GHz | 7.0 dB max | Initial ± 2dB | |



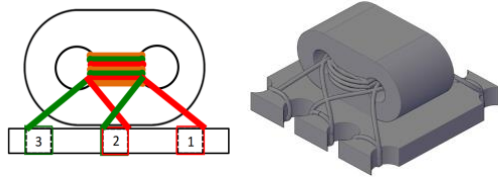
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13E**

RF



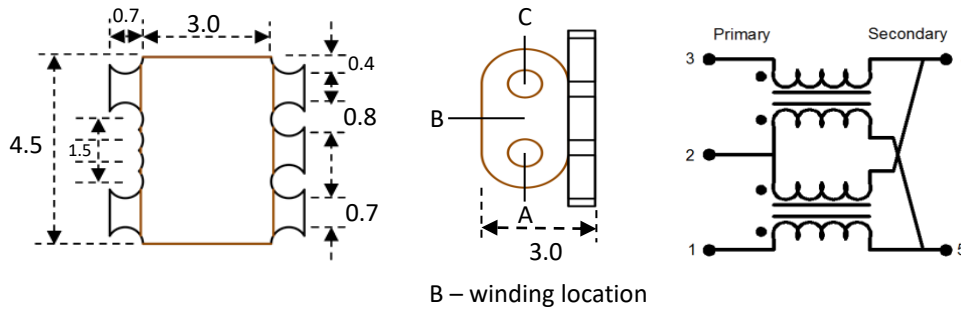
Features:

- Suitable for 75Ω
- 1.77:1 Coupled Balun Transformer 5-200MHz

Applications:

Broadband / CATV

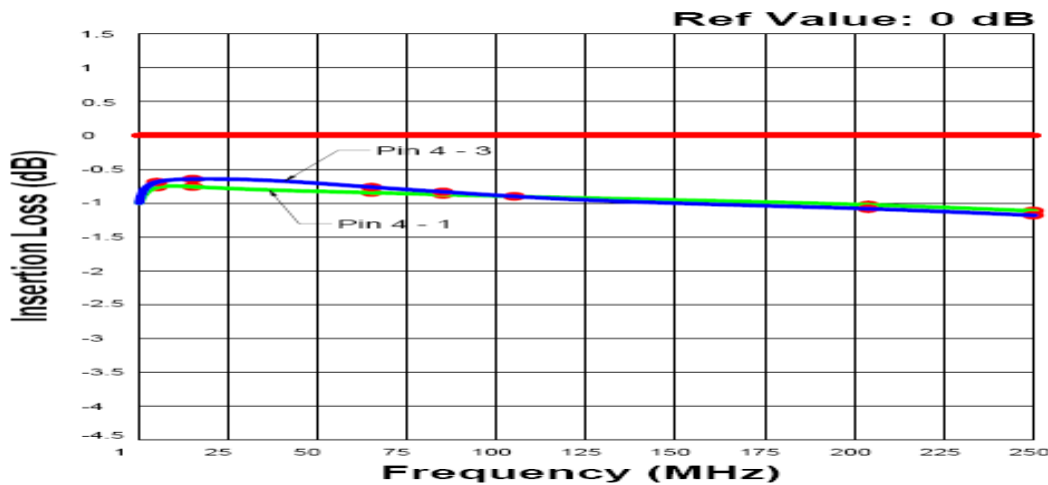
Package Dimension: All dimensions in mm



B – winding location

ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|--------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 5 MHz | dB | - | 0.50 | - |
| | @ 15 MHz | dB | - | 0.50 | - |
| | @ 65 MHz | dB | - | 0.70 | - |
| | @ 85 MHz | dB | - | 0.70 | - |
| | @ 105 MHz | dB | - | 0.80 | - |
| | @ 200 MHz | dB | - | 1.00 | - |
| Insertion Loss (Pin 4-3) | @ 5 MHz | dB | - | 0.50 | - |
| | @ 15 MHz | dB | - | 0.50 | - |
| | @ 65 MHz | dB | - | 0.70 | - |
| | @ 85 MHz | dB | - | 0.70 | - |
| | @ 105 MHz | dB | - | 0.80 | - |
| | @ 200 MHz | dB | - | 1.00 | - |



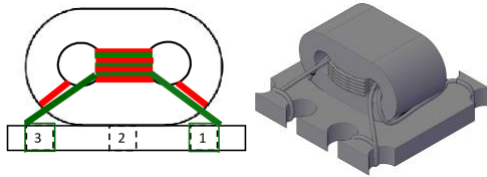
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13F**

RF



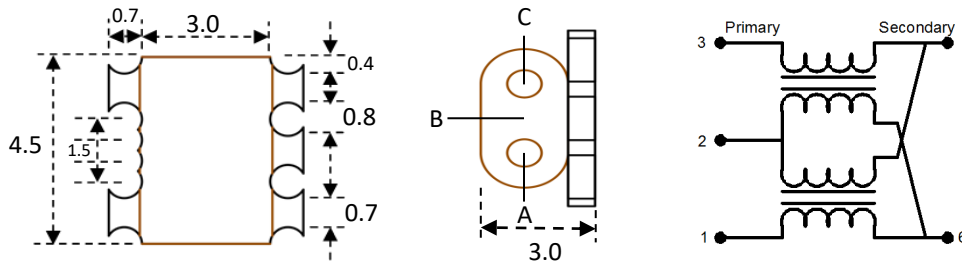
Features:

- Suitable for 75Ω
- 2:1 Coupled Balun Transformer 5-200MHz

Applications:

Broadband / CATV

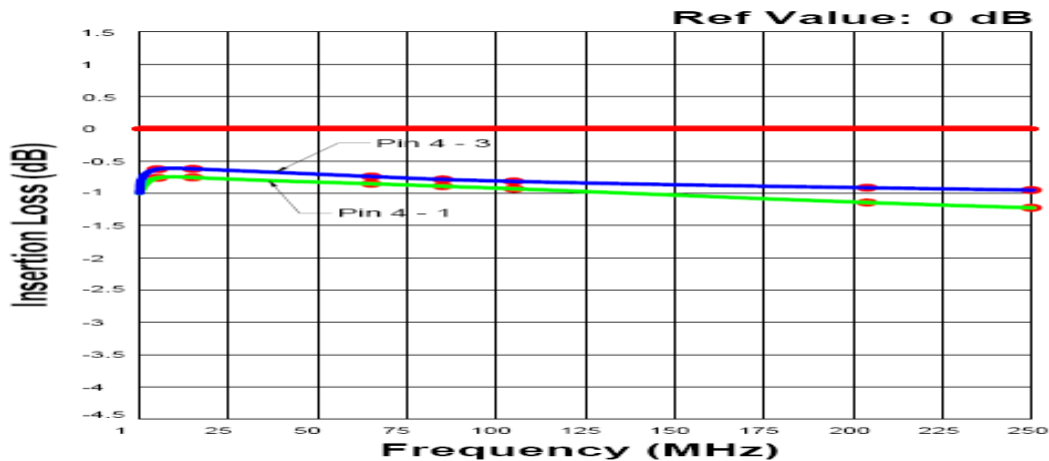
Package Dimension: All dimensions in mm



B – winding location

ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 5 MHz | dB | - | 0.52 | - |
| | @ 15 MHz | dB | - | 0.50 | - |
| | @ 65 MHz | dB | - | 0.70 | - |
| | @ 85 MHz | dB | - | 0.80 | - |
| | @ 105 MHz | dB | - | 0.80 | - |
| | @ 200 MHz | dB | - | 1.30 | - |
| Insertion Loss (Pin 4-3) | @ 5 MHz | dB | - | 0.55 | - |
| | @ 15 MHz | dB | - | 0.50 | - |
| | @ 65 MHz | dB | - | 0.80 | - |
| | @ 85 MHz | dB | - | 0.85 | - |
| | @ 105 MHz | dB | - | 0.90 | - |
| | @ 200 MHz | dB | - | 1.00 | - |



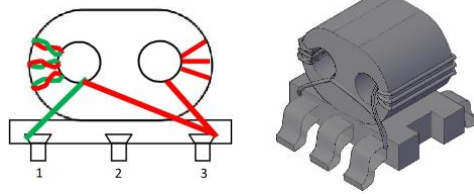
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-00X**

RF



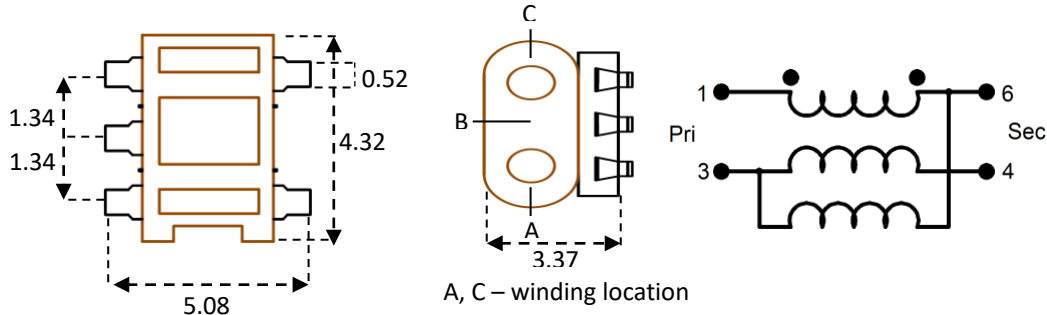
Features:

- Suitable for 50Ω
- 1:1 Impedance Transformer

Applications:

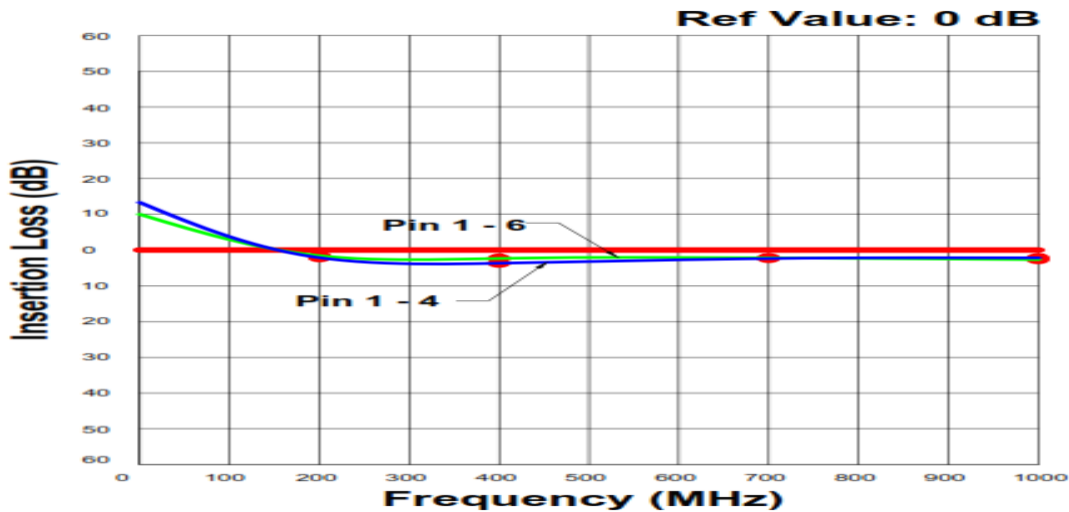
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 1.50 | - |
| | @ 400 MHz | dB | - | 2.30 | - |
| | @ 700 MHz | dB | - | 2.10 | - |
| | @ 1 GHz | dB | - | 2.70 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 2.10 | - |
| | @ 400 MHz | dB | - | 3.70 | - |
| | @ 700 MHz | dB | - | 2.40 | - |
| | @ 1 GHz | dB | - | 2.20 | - |



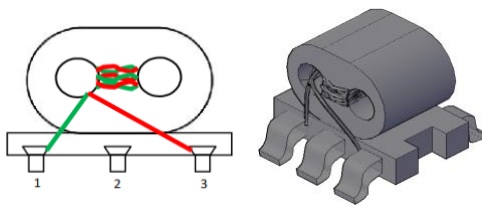
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-00Y**

R
F



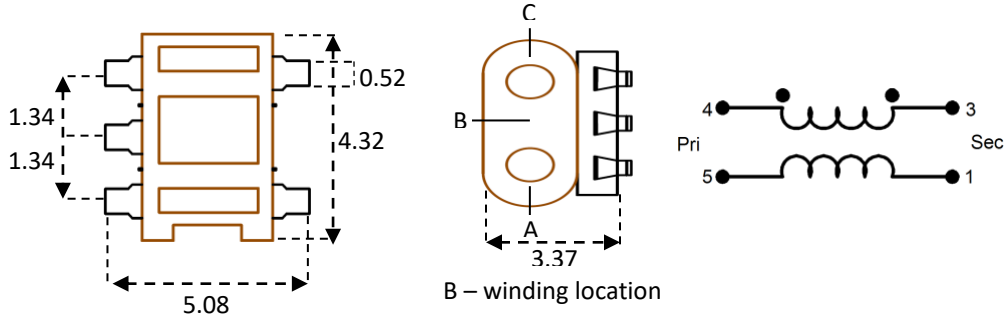
Features:

- Suitable for 75Ω
- 1:1 Impedance Transformer

Applications:

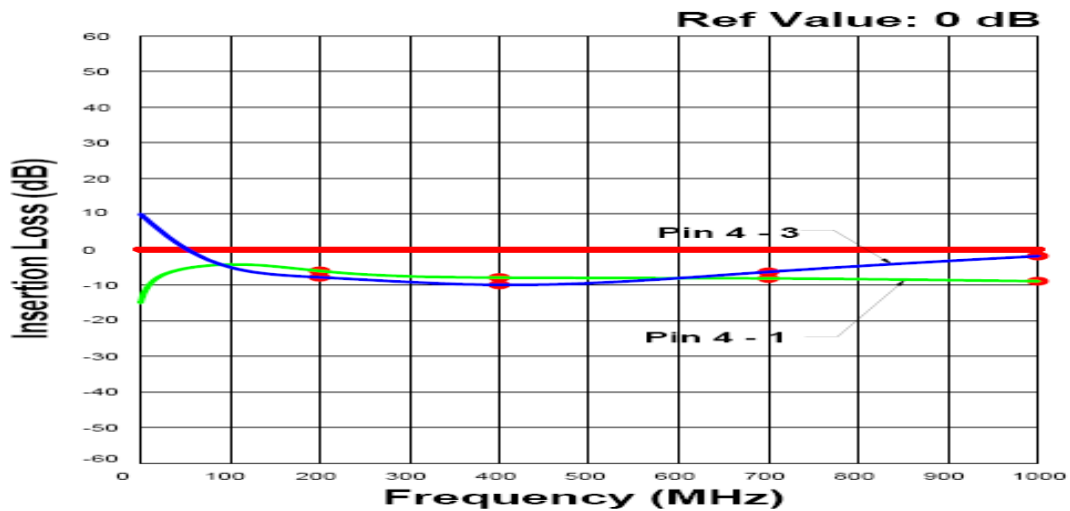
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

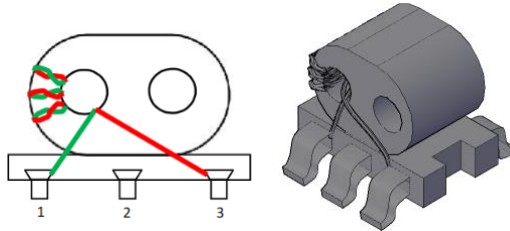
| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 6.00 | - |
| | @ 400 MHz | dB | - | 7.80 | - |
| | @ 700 MHz | dB | - | 8.10 | - |
| | @ 1 GHz | dB | - | 8.80 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 7.70 | - |
| | @ 400 MHz | dB | - | 9.90 | - |
| | @ 700 MHz | dB | - | 6.30 | - |
| | @ 1 GHz | dB | - | 2.00 | - |



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R**

RF



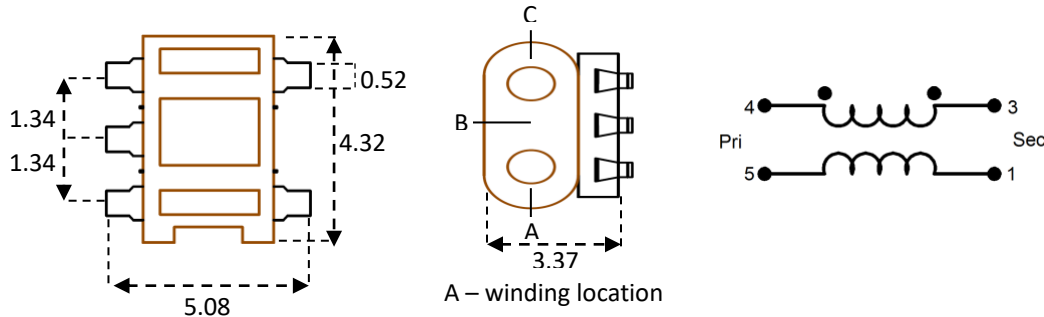
Features:

- Suitable for 75Ω
- 1:1 Impedance Transformer

Applications:

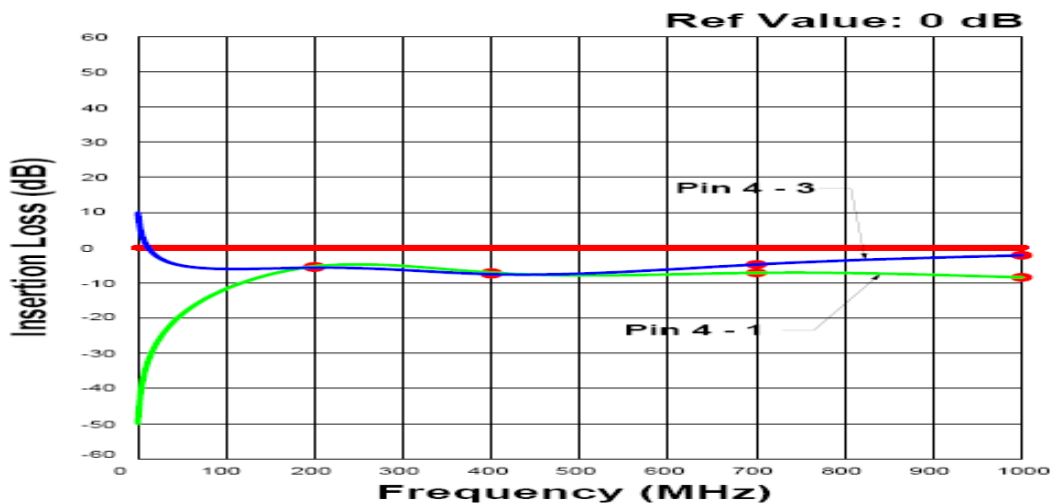
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 5.30 | - |
| | @ 400 MHz | dB | - | 7.00 | - |
| | @ 700 MHz | dB | - | 7.10 | - |
| | @ 1 GHz | dB | - | 8.40 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 5.70 | - |
| | @ 400 MHz | dB | - | 7.50 | - |
| | @ 700 MHz | dB | - | 4.80 | - |
| | @ 1 GHz | dB | - | 2.20 | - |



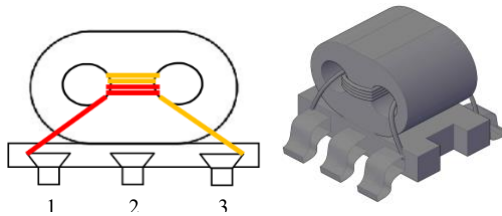
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-1**

**R
F**



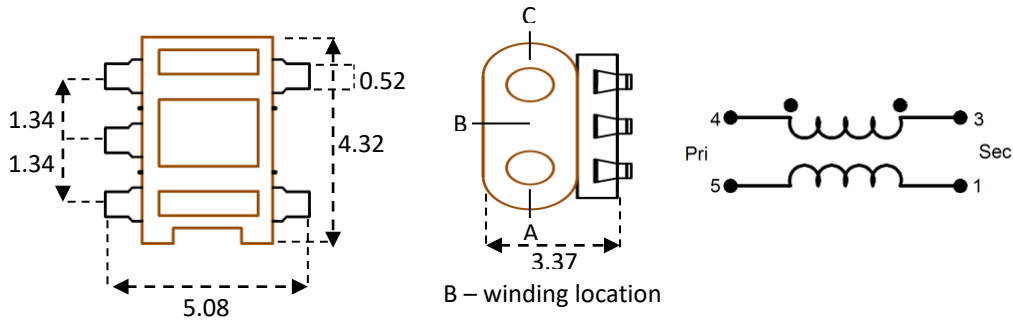
Features:

- Suitable for 75Ω
- 1:1 Impedance Transformer
- Unbalance to unbalance

Applications:

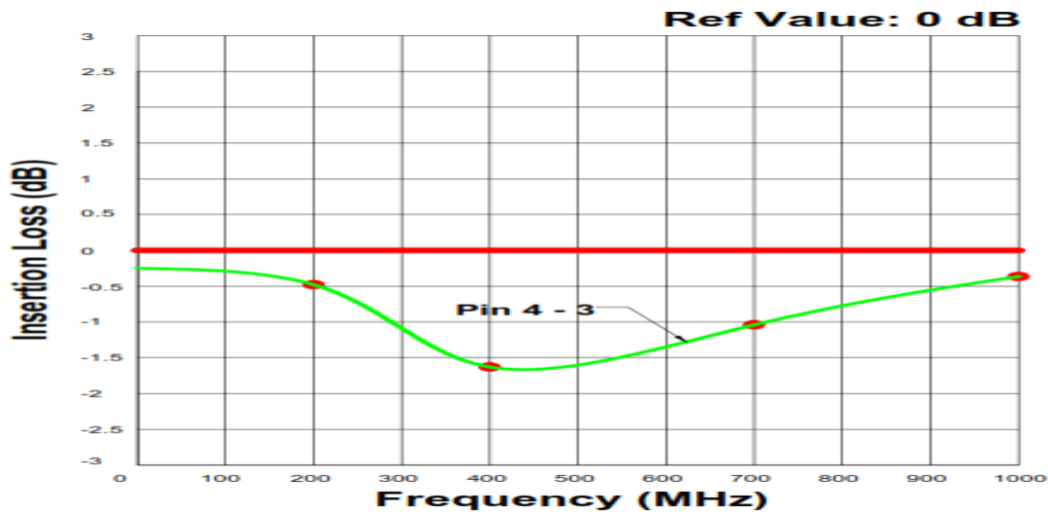
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

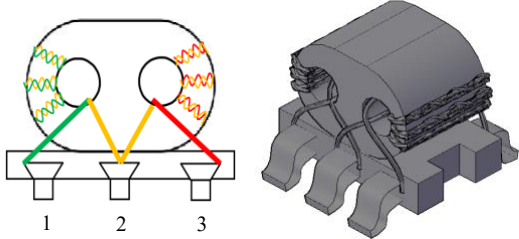
| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 0.50 | - |
| | @ 400 MHz | dB | - | 1.70 | - |
| | @ 700 MHz | dB | - | 1.00 | - |
| | @ 1 GHz | dB | - | 0.20 | - |



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-2**

RF



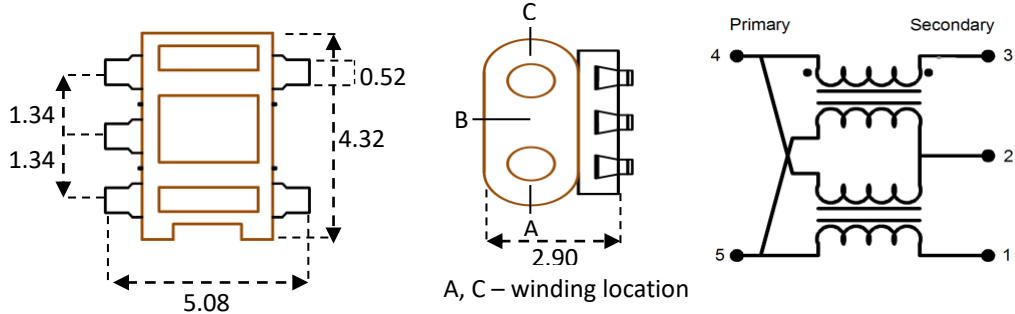
Features:

- Suitable for 50Ω
- 1:4 Unbalanced to Balanced Impedance Transformer

Applications:

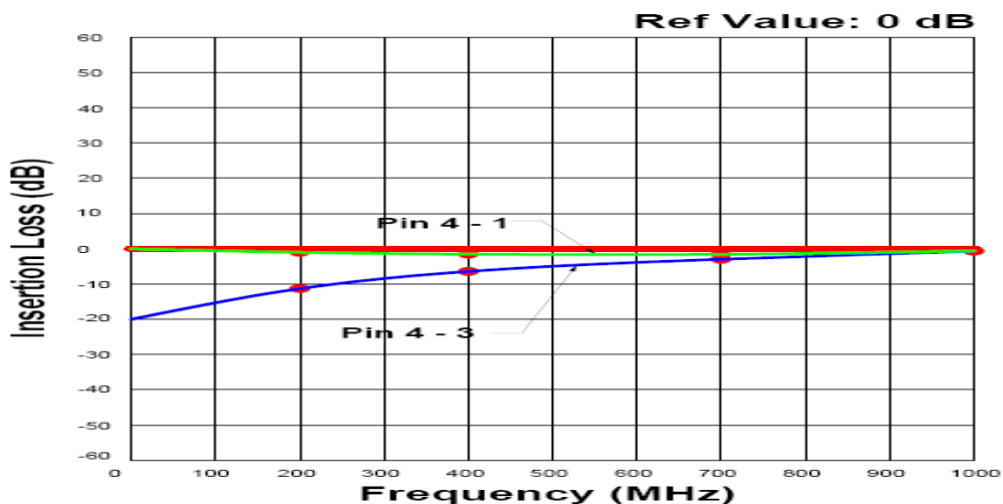
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|--------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 1.00 | - |
| | @ 400 MHz | dB | - | 1.50 | - |
| | @ 700 MHz | dB | - | 1.60 | - |
| | @ 1 GHz | dB | - | 0.60 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 11.00 | - |
| | @ 400 MHz | dB | - | 6.40 | - |
| | @ 700 MHz | dB | - | 2.98 | - |
| | @ 1 GHz | dB | - | 0.70 | - |



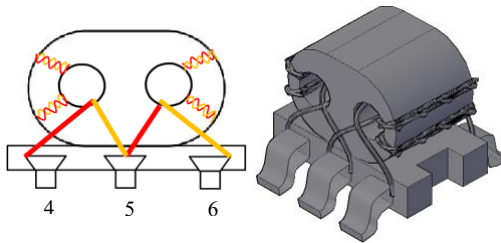
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-3**

RF



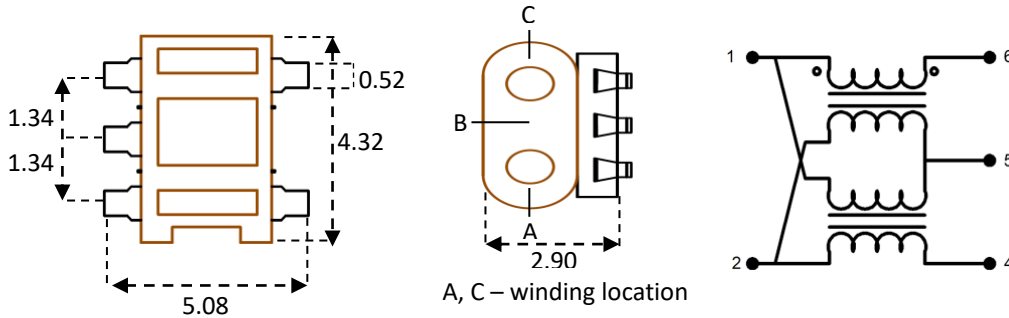
Features:

- Suitable for 50Ω
- 1:4 Unbalanced to Balanced Impedance Transformer

Applications:

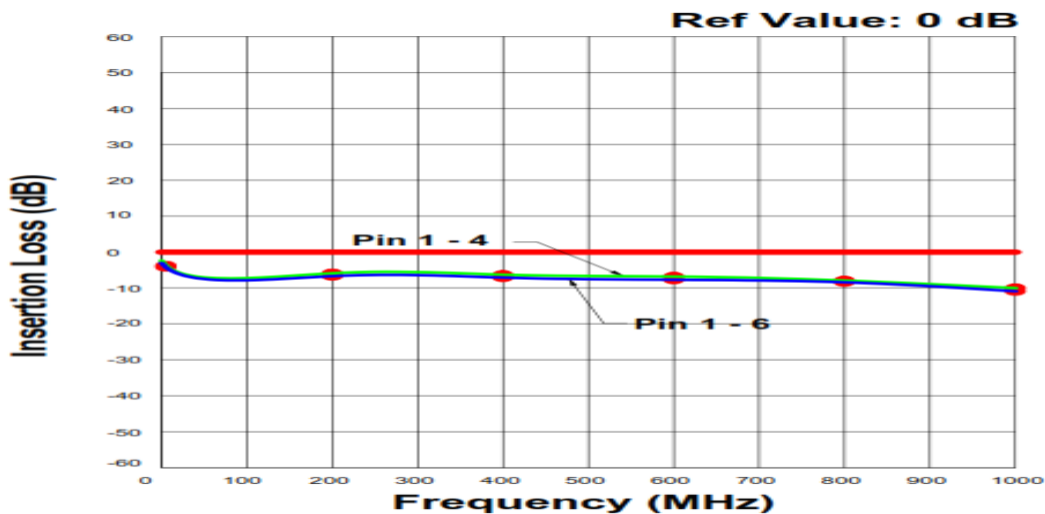
Broadband / CATV

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|--------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 1-6) | @ 200 MHz | dB | - | 5.99 | - |
| | @ 400 MHz | dB | - | 6.38 | - |
| | @ 800 MHz | dB | - | 7.96 | - |
| | @ 1 GHz | dB | - | 10.07 | - |
| Insertion Loss (Pin 1-4) | @ 200 MHz | dB | - | 6.76 | - |
| | @ 400 MHz | dB | - | 7.10 | - |
| | @ 800 MHz | dB | - | 8.45 | - |
| | @ 1 GHz | dB | - | 10.95 | - |



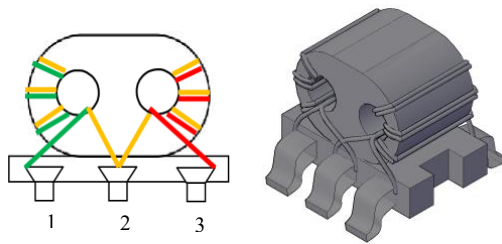
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-4**

RF



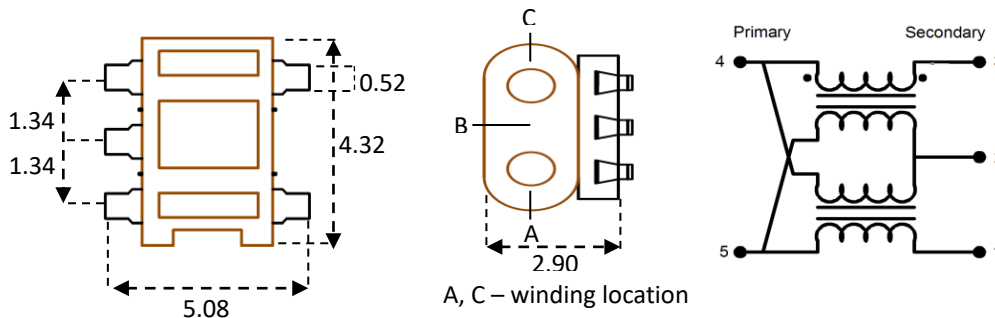
Features:

- Suitable for 50Ω
- Unbalanced to balanced
- Impedance transformer with DC center taps in a Surface Mount Package
- 1:4 RF Balun Transformer

Applications:

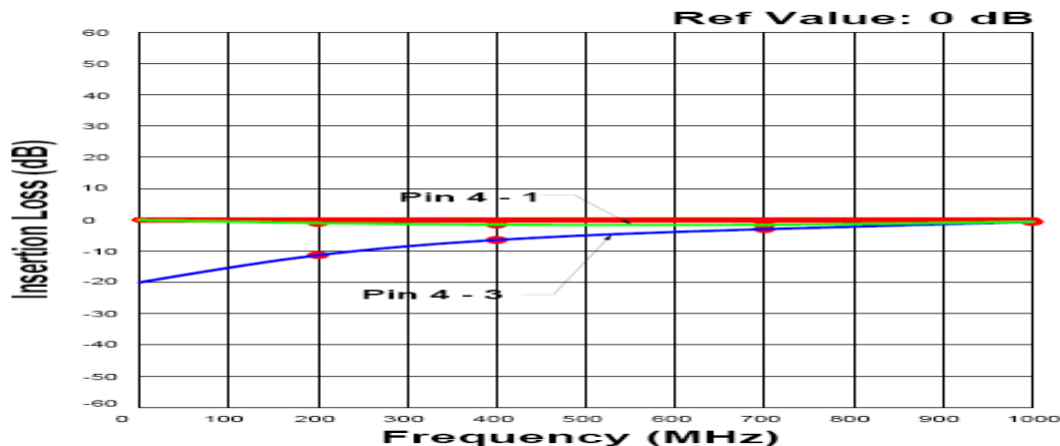
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|--------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 1.00 | - |
| | @ 400 MHz | dB | - | 1.50 | - |
| | @ 700 MHz | dB | - | 1.60 | - |
| | @ 1 GHz | dB | - | 0.70 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 11.00 | - |
| | @ 400 MHz | dB | - | 6.00 | - |
| | @ 700 MHz | dB | - | 3.00 | - |
| | @ 1 GHz | dB | - | 0.70 | - |



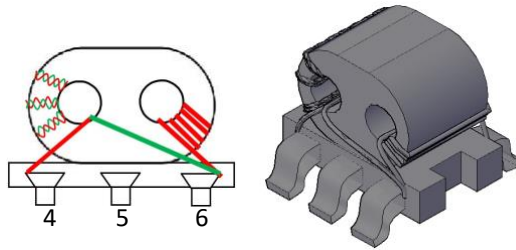
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-5**

R
F



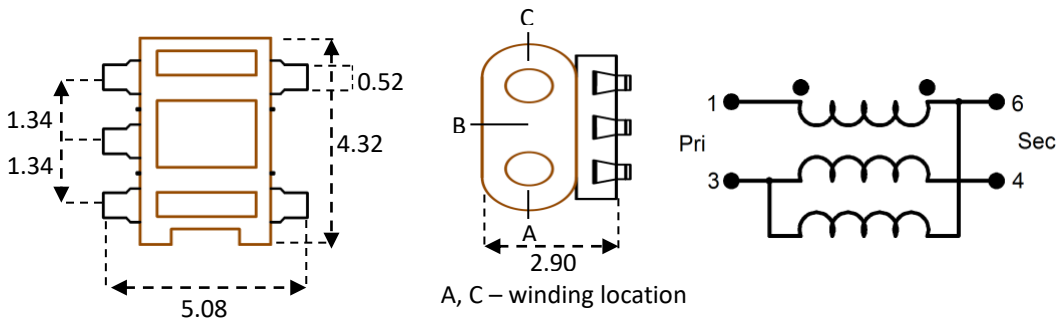
Features:

- Suitable for 50Ω and 75Ω
- Unbalanced to unbalanced
- 1:1 Impedance Transformer with DC center taps in a Surface Mount Package

Applications:

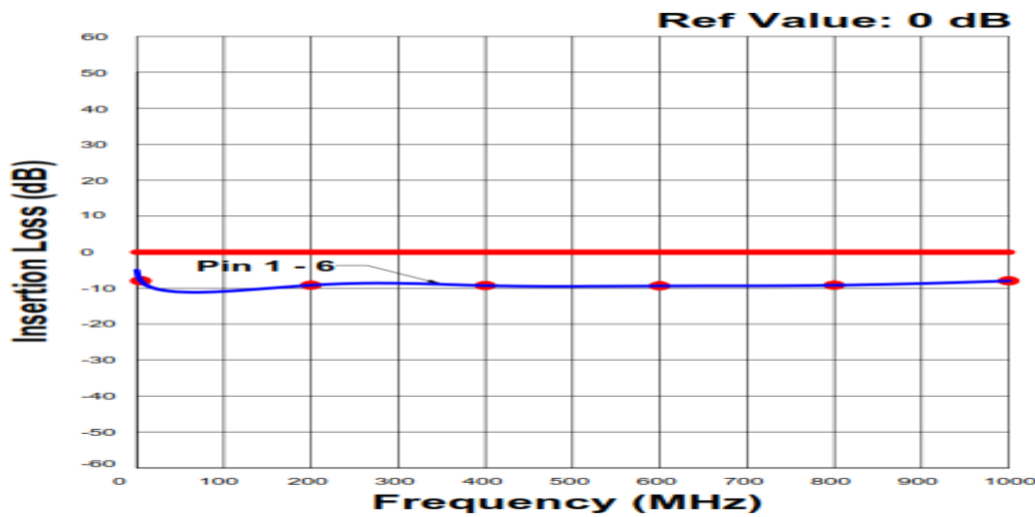
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 1-6) | @ 200 MHz | dB | - | 9.92 | - |
| | @ 400 MHz | dB | - | 9.34 | - |
| | @ 800 MHz | dB | - | 9.24 | - |
| | @ 1 GHz | dB | - | 8.62 | - |



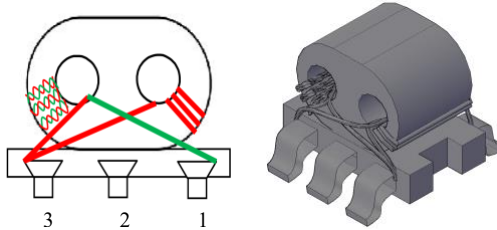
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-6**

**R
F**



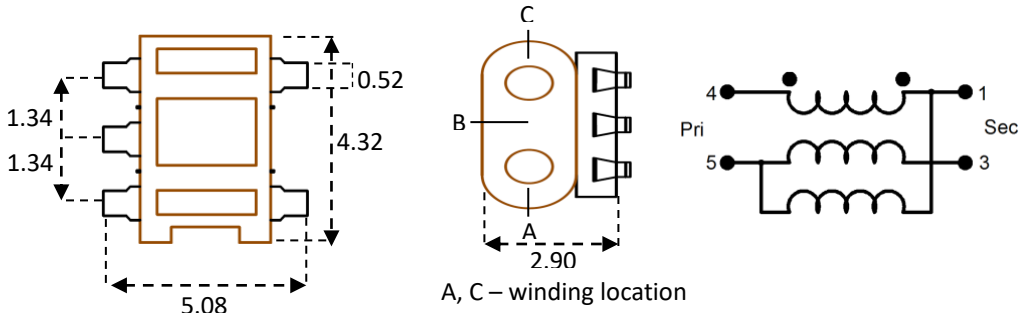
Features:

- Suitable for 75Ω
- Unbalanced to unbalanced
- 1:1 Impedance Transformer with DC center taps in a Surface Mount Package

Applications:

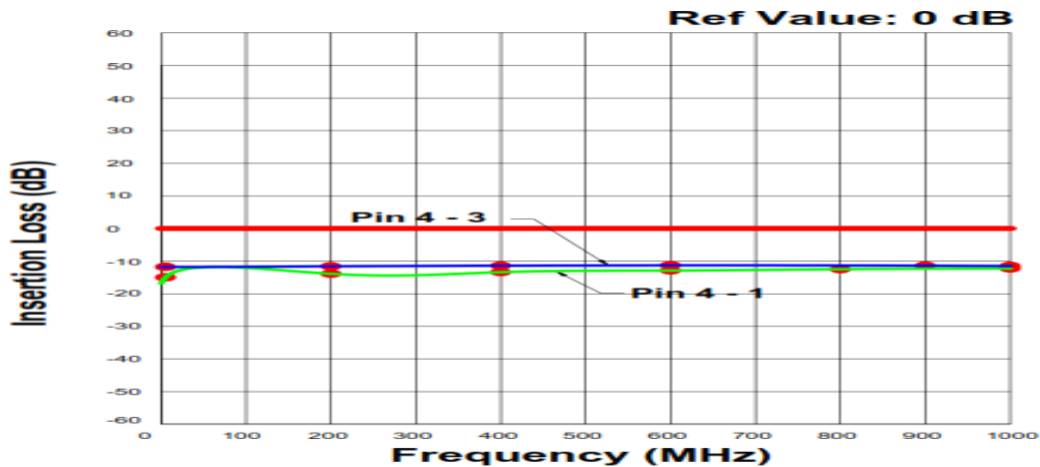
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 13.92 | - |
| | @ 400 MHz | dB | - | 13.45 | - |
| | @ 800 MHz | dB | - | 12.58 | - |
| | @ 1 GHz | dB | - | 12.33 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 11.60 | - |
| | @ 400 MHz | dB | - | 11.49 | - |
| | @ 800 MHz | dB | - | 11.44 | - |
| | @ 1 GHz | dB | - | 11.50 | - |



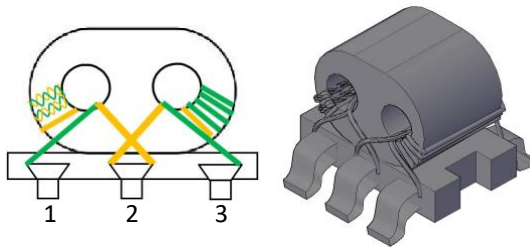
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-02R-7**

RF



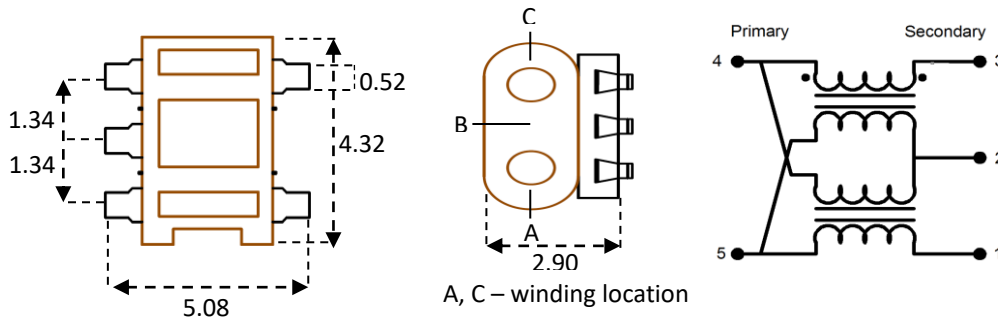
Features:

- Suitable for 75Ω
- Unbalanced to unbalanced
- 1:1 Impedance Transformer with DC center taps in a Surface Mount Package

Applications:

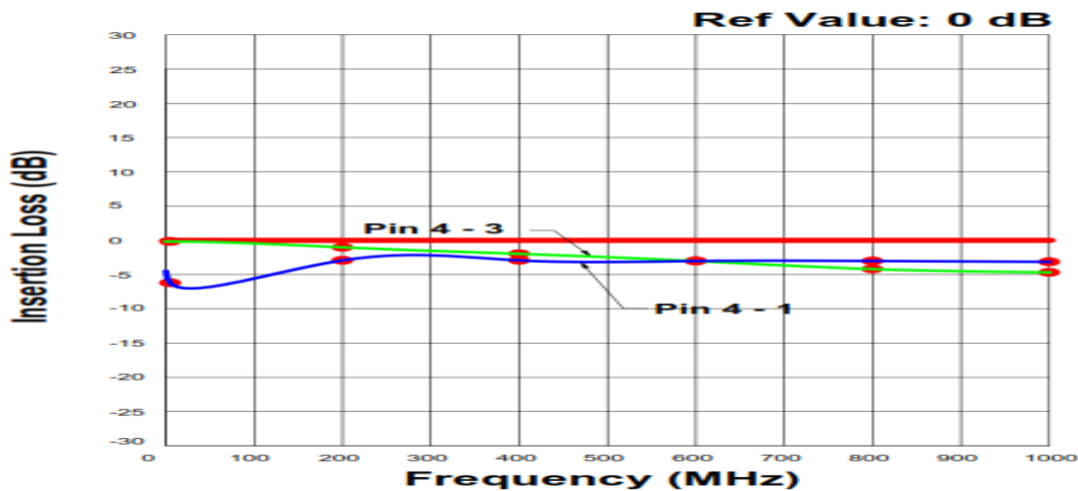
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|--------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-1) | @ 200 MHz | dB | - | 4.47 | - |
| | @ 400 MHz | dB | - | 3.02 | - |
| | @ 800 MHz | dB | - | 2.93 | - |
| | @ 1 GHz | dB | - | 3.14 | - |
| Insertion Loss (Pin 4-3) | @ 200 MHz | dB | - | 0.07 | - |
| | @ 400 MHz | dB | - | 1.58 | - |
| | @ 800 MHz | dB | - | 3.34 | - |
| | @ 1 GHz | dB | - | 4.36 | - |



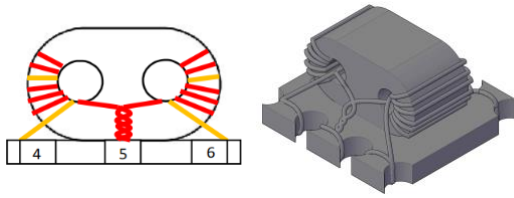
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13G**

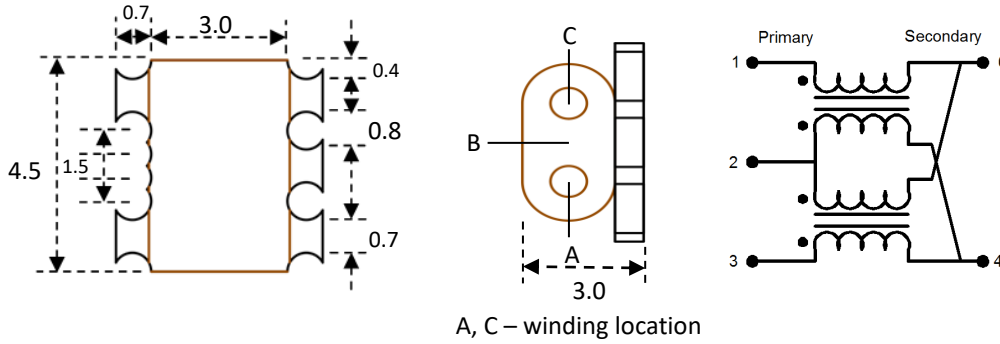
**R
F**



Features:

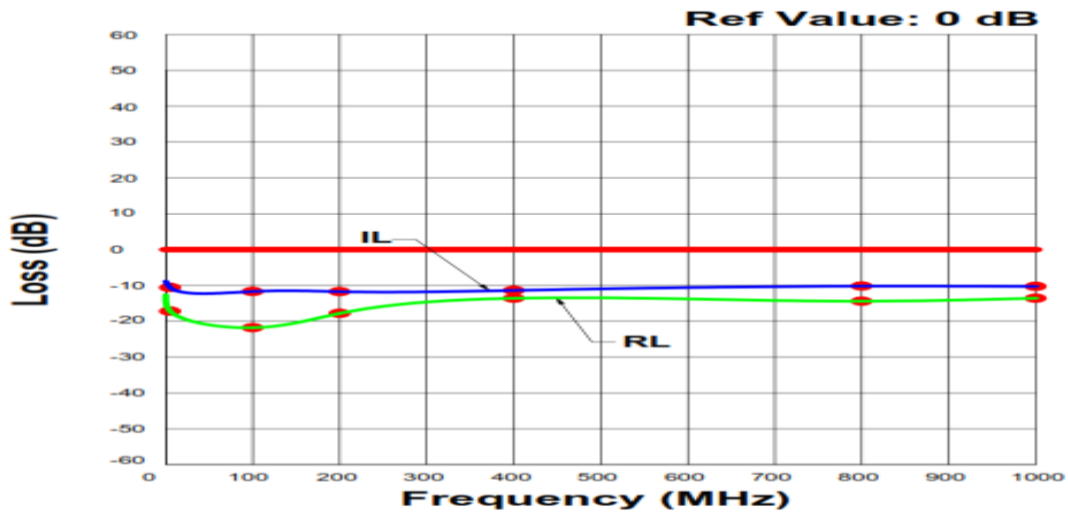
- Suitable for 75Ω
- Coupler
- Frequency ranges from 5 to 1000 MHz
- Surface Mount Package

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 17.20 | - |
| | @ 400 MHz | dB | - | 16.00 | - |
| | @ 800 MHz | dB | - | 15.80 | - |
| | @ 1 GHz | dB | - | 15.50 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 12.00 | - |
| | @ 400 MHz | dB | - | 11.50 | - |
| | @ 800 MHz | dB | - | 10.40 | - |
| | @ 1 GHz | dB | - | 10.20 | - |



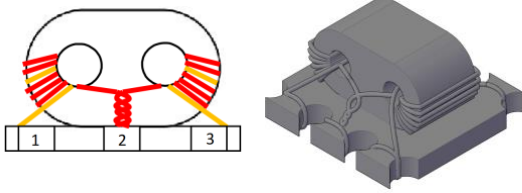
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13H**

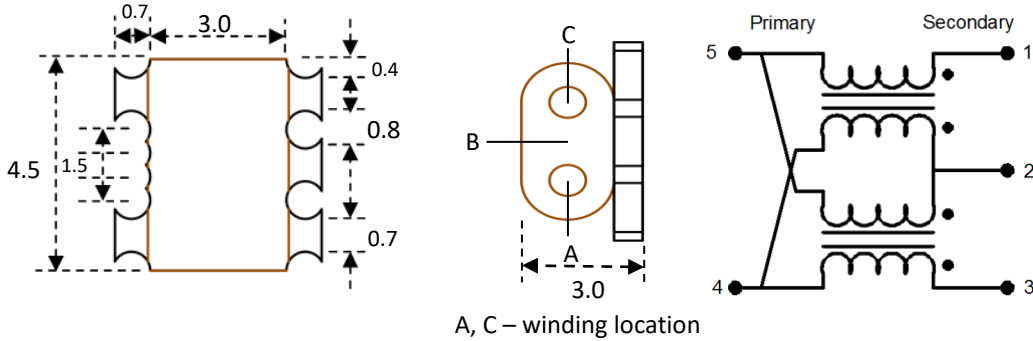
**R
F**



Features:

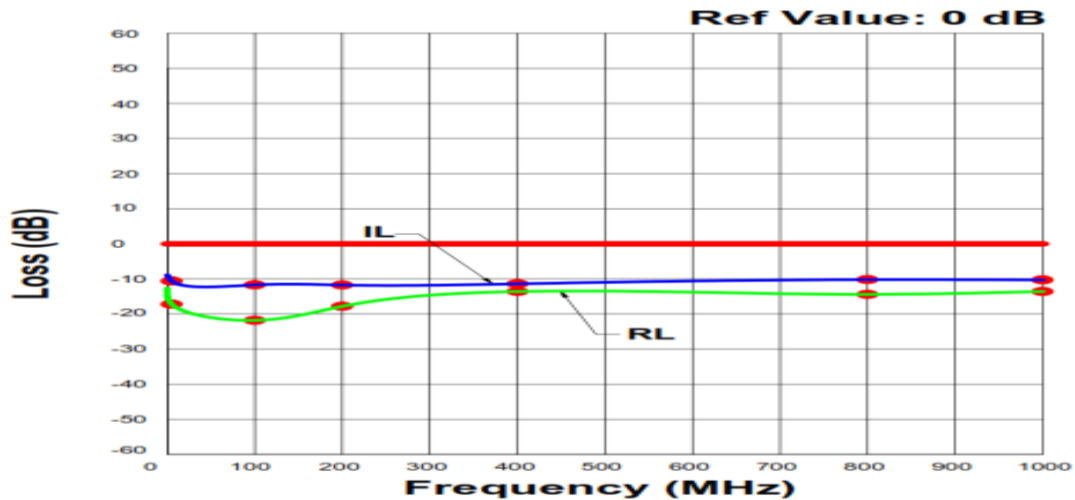
- Suitable for 75Ω
- Coupler
- Frequency ranges from 5 to 1000 MHz
- Surface Mount Package

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 5-1) | @ 5 MHz | dB | - | 17.00 | - |
| | @ 400 MHz | dB | - | 13.70 | - |
| | @ 800 MHz | dB | - | 14.40 | - |
| | @ 1 GHz | dB | - | 13.60 | - |
| Insertion Loss (Pin 5-1) | @ 5 MHz | dB | - | 10.60 | - |
| | @ 400 MHz | dB | - | 11.44 | - |
| | @ 800 MHz | dB | - | 10.20 | - |
| | @ 1 GHz | dB | - | 10.30 | - |



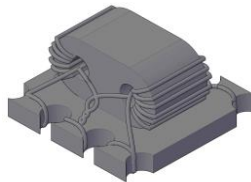
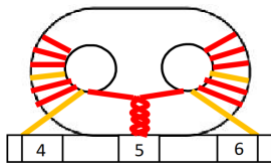
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13I**

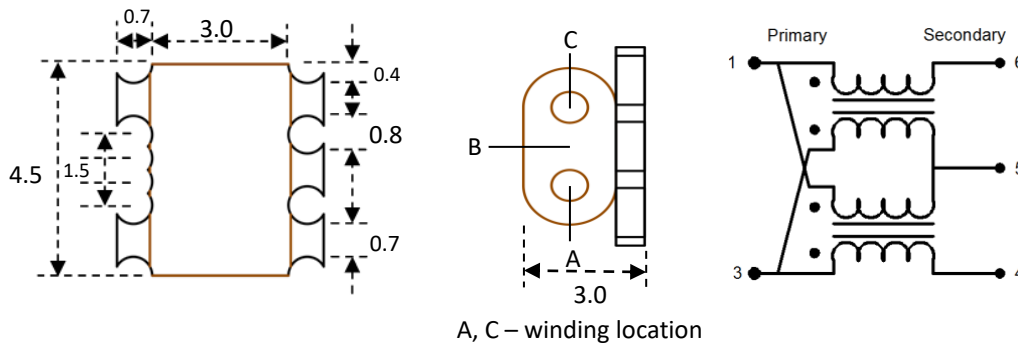
RF



Features:

- Suitable for 50Ω
- Coupler
- Frequency ranges from 5 to 1000 MHz
- Surface Mount Package

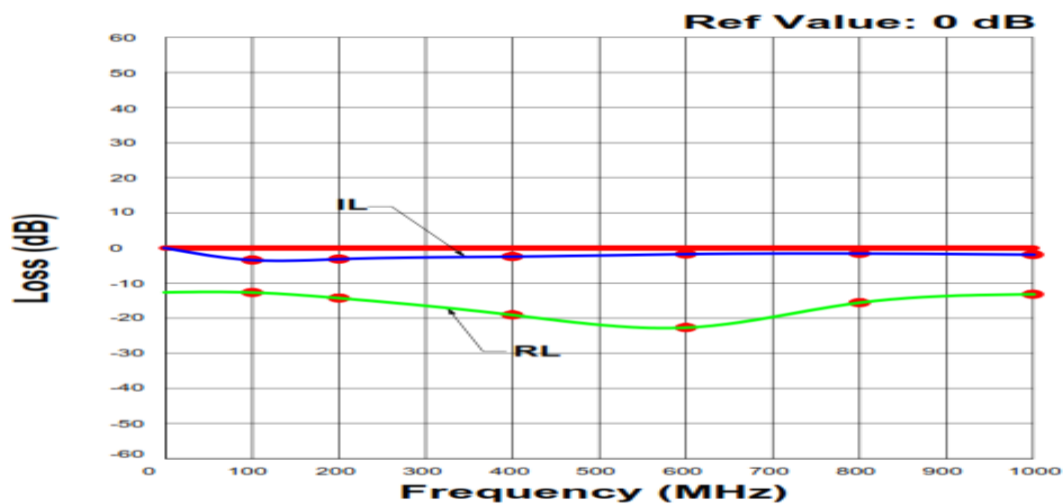
Package Dimension: All dimensions in mm



A, C – winding location

ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 12.77 | - |
| | @ 400 MHz | dB | - | 19.08 | - |
| | @ 800 MHz | dB | - | 15.69 | - |
| | @ 1 GHz | dB | - | 13.24 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 3.47 | - |
| | @ 400 MHz | dB | - | 2.48 | - |
| | @ 800 MHz | dB | - | 1.58 | - |
| | @ 1 GHz | dB | - | 1.91 | - |



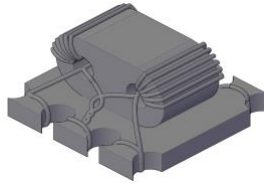
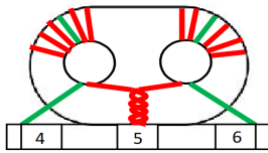
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13J**

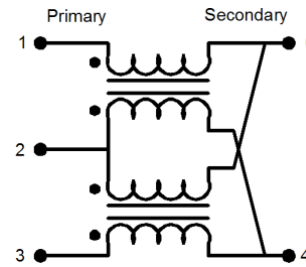
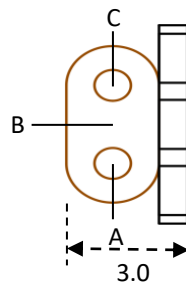
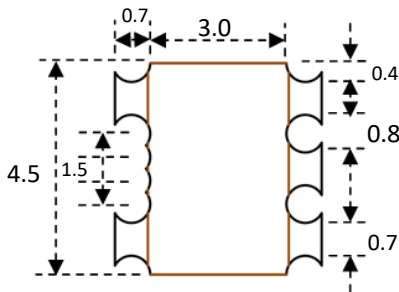
RF



Features:

- Suitable for 50Ω
- Coupler
- Frequency ranges from 5 to 600 MHz
- Surface Mount Package

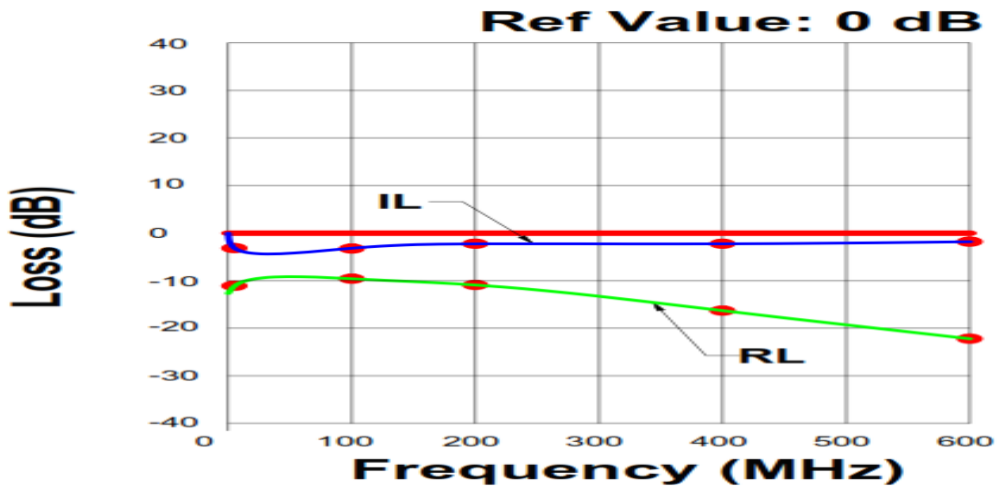
Package Dimension: All dimensions in mm



A, C – winding location

ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

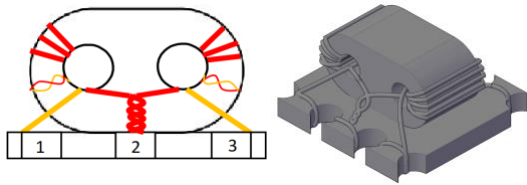
| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 11.07 | - |
| | @ 200 MHz | dB | - | 10.91 | - |
| | @ 400 MHz | dB | - | 16.39 | - |
| | @ 600 MHz | dB | - | 22.36 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 3.16 | - |
| | @ 200 MHz | dB | - | 2.94 | - |
| | @ 400 MHz | dB | - | 2.24 | - |
| | @ 600 MHz | dB | - | 1.79 | - |



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13K**

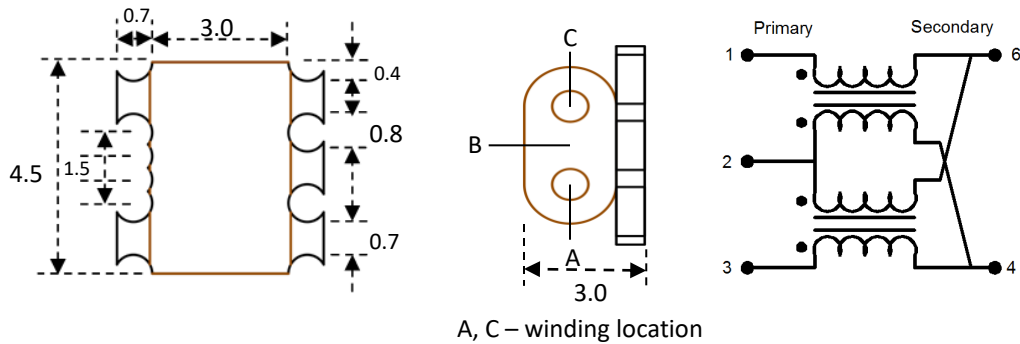
RF



Features:

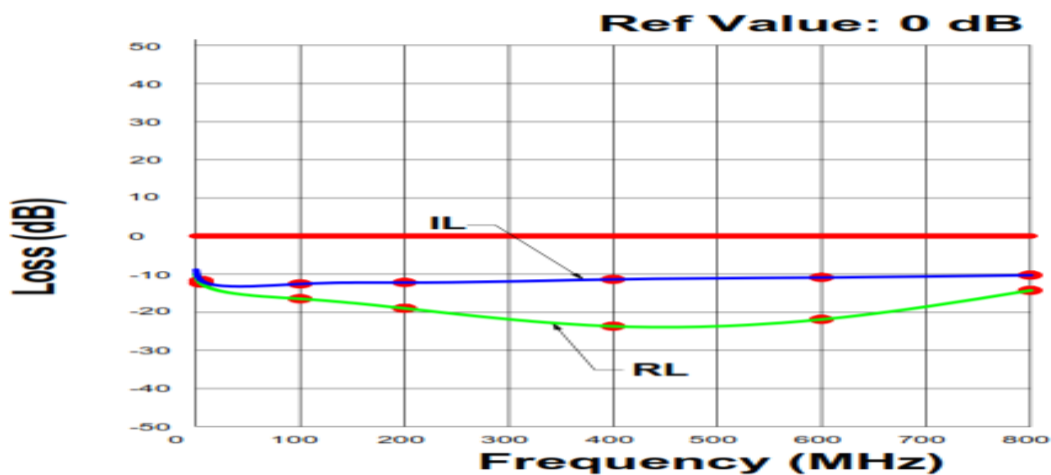
- Suitable for 75Ω
- Coupler
- Frequency ranges from 5 to 800 MHz
- Surface Mount Package

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|------------------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 12.42 | - |
| | @ 200 MHz | dB | - | 19.00 | - |
| | @ 400 MHz | dB | - | 22.77 | - |
| | @ 800 MHz | dB | - | 14.53 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 11.74 | - |
| | @ 200 MHz | dB | - | 12.20 | - |
| | @ 400 MHz | dB | - | 11.51 | - |
| | @ 800 MHz | dB | - | 10.28 | - |



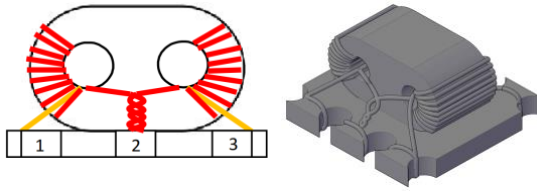
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13L**

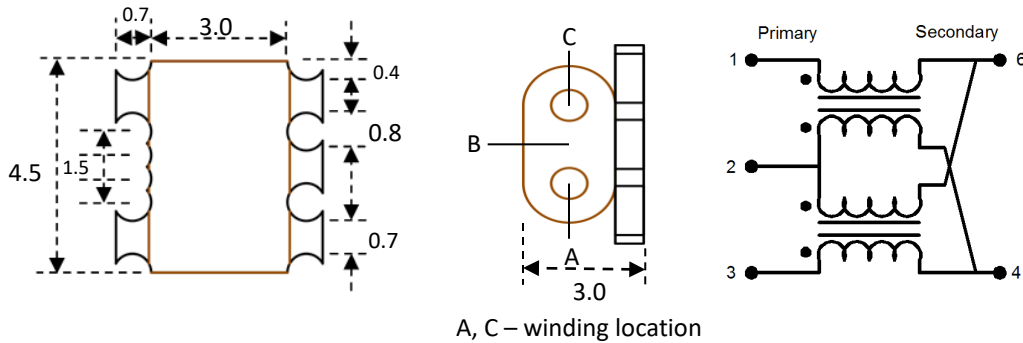
**R
F**



Features:

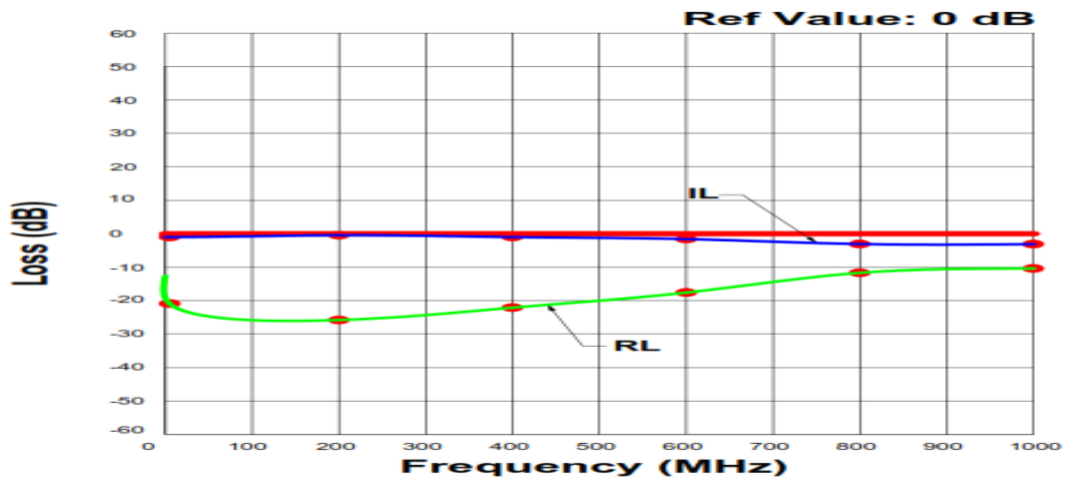
- Suitable for 50Ω
- Coupler
- Frequency ranges from 5 to 1000 MHz
- Surface Mount Package

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 20.99 | - |
| | @ 200 MHz | dB | - | 22.10 | - |
| | @ 600 MHz | dB | - | 17.67 | - |
| | @ 1 GHz | dB | - | 10.44 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 1.00 | - |
| | @ 200 MHz | dB | - | 0.80 | - |
| | @ 600 MHz | dB | - | 1.64 | - |
| | @ 1 GHz | dB | - | 3.11 | - |



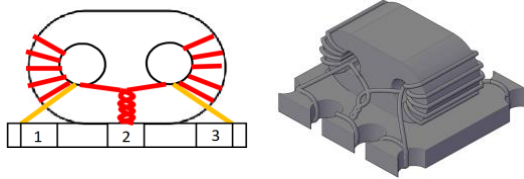
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBF4-13M**

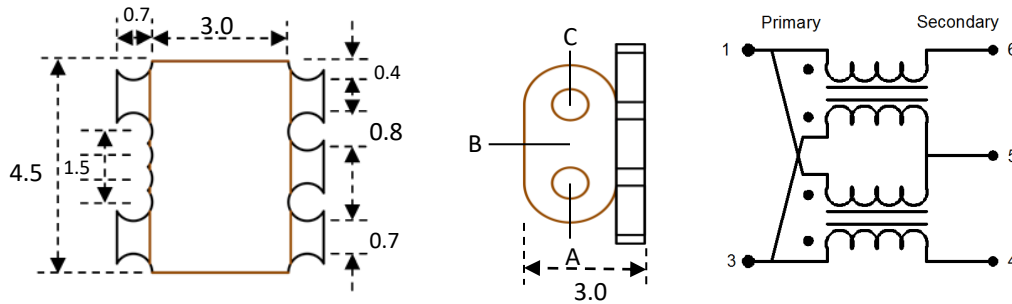
R
F



Features:

- Suitable for 50Ω
- Coupler
- Frequency ranges from 5 to 1000 MHz
- Surface Mount Package

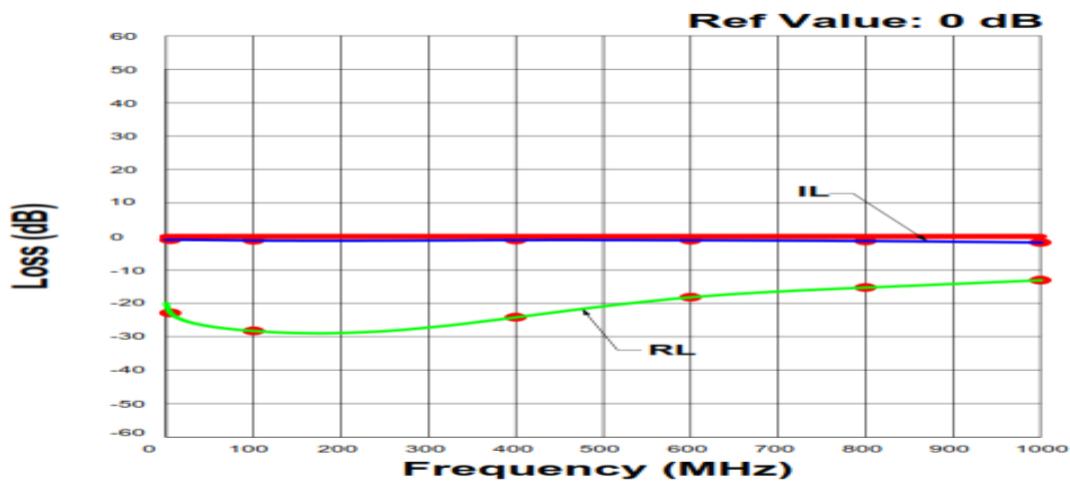
Package Dimension: All dimensions in mm



A, C – winding location

ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Return Loss (Pin 1-6) | @ 5 MHz | dB | - | 22.93 | - |
| | @ 200 MHz | dB | - | 24.20 | - |
| | @ 600 MHz | dB | - | 18.23 | - |
| | @ 1 GHz | dB | - | 14.42 | - |
| Insertion Loss (Pin 1-6) | @ 5 MHz | dB | - | 1.00 | - |
| | @ 200 MHz | dB | - | 1.10 | - |
| | @ 600 MHz | dB | - | 1.16 | - |
| | @ 1 GHz | dB | - | 1.82 | - |



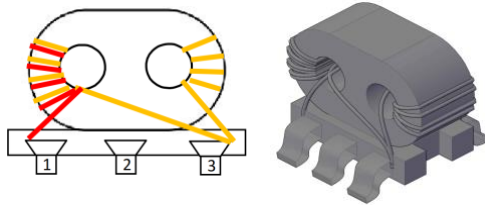
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-13R**

**R
F**



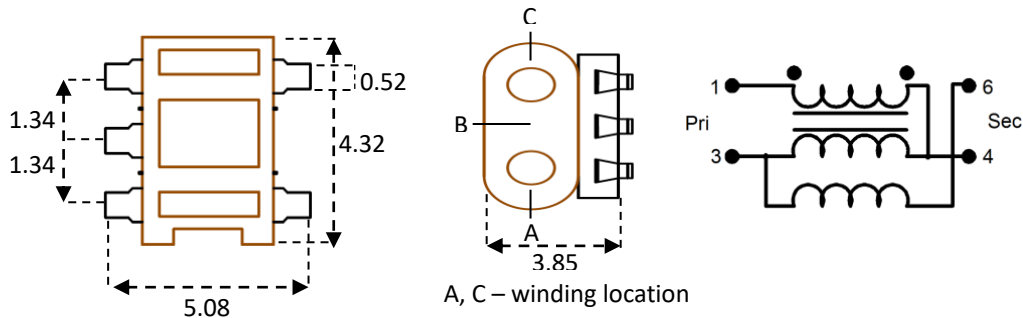
Features:

- Suitable for 50Ω and 75Ω
- Unbalanced to Balanced
- 1:1 Impedance Transformer
- Surface Mount Package

Applications:

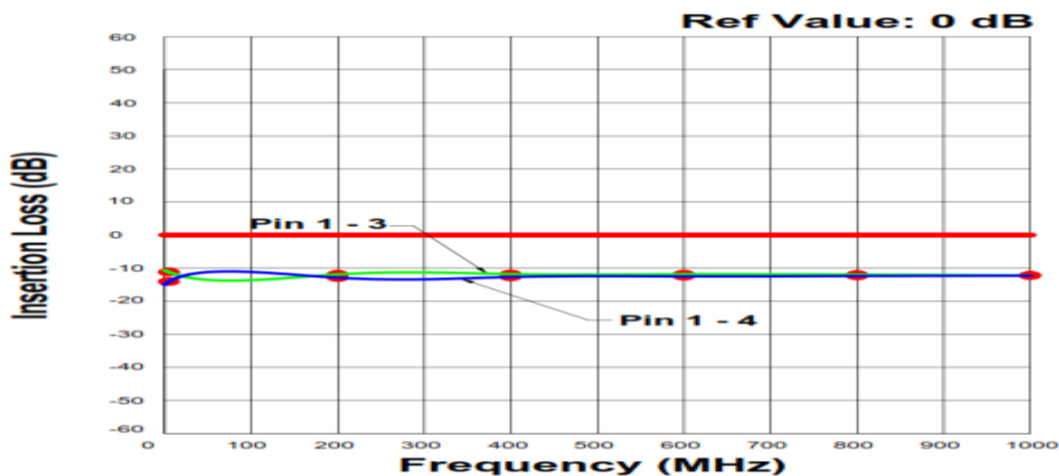
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 1-6) | @ 45 MHz | dB | - | 11.89 | - |
| | @ 400 MHz | dB | - | 12.73 | - |
| | @ 800 MHz | dB | - | 12.41 | - |
| | @ 1 GHz | dB | - | 12.34 | - |
| Insertion Loss (Pin 1-4) | @ 45 MHz | dB | - | 11.31 | - |
| | @ 400 MHz | dB | - | 11.98 | - |
| | @ 800 MHz | dB | - | 11.96 | - |
| | @ 1 GHz | dB | - | 12.21 | - |



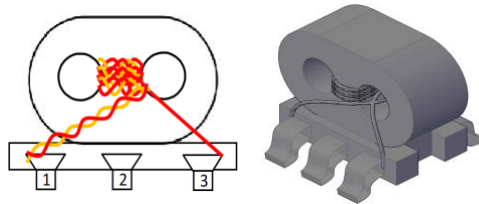
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-13S**

RF



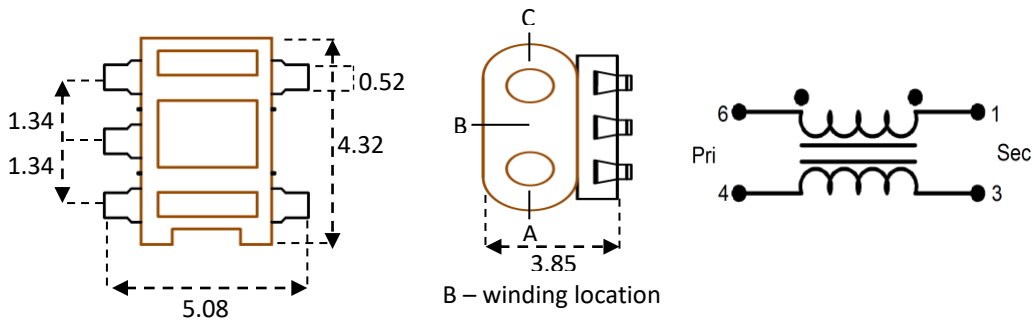
Features:

- Suitable for 50Ω and 75Ω
- Unbalanced to Unbalanced
- 1:1 Impedance Transformer
- Surface Mount Package

Applications:

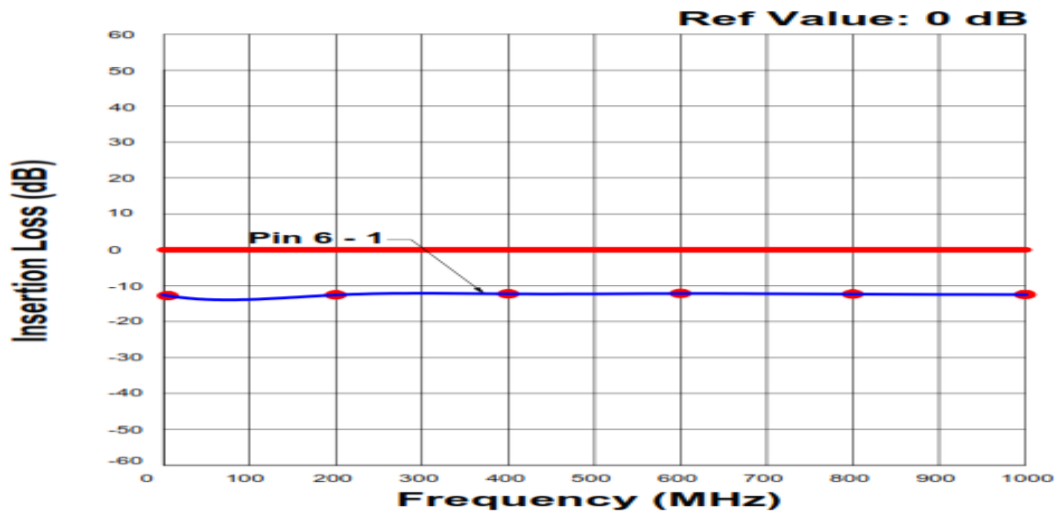
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

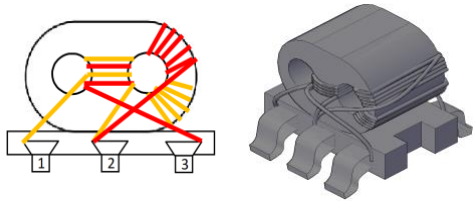
| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 6-1) | @ 45 MHz | dB | - | 12.83 | - |
| | @ 400 MHz | dB | - | 12.30 | - |
| | @ 800 MHz | dB | - | 12.30 | - |
| | @ 1.2 GHz | dB | - | 13.03 | - |



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-13T**

RF



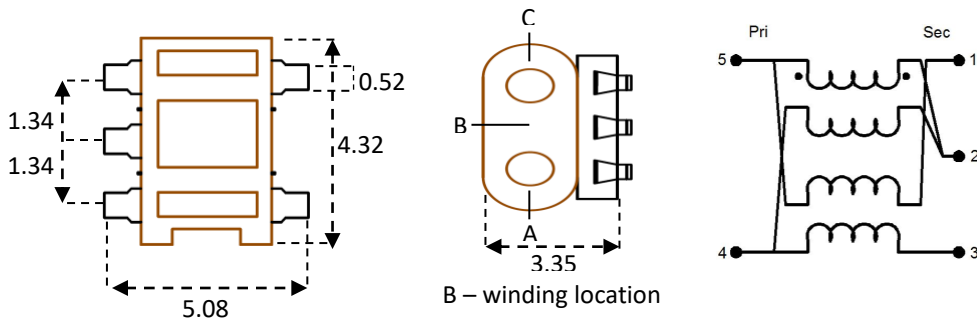
Features:

- Suitable for 75Ω
- Unbalanced to Balanced
- 1:4 Impedance Transformer
- Surface Mount Package

Applications:

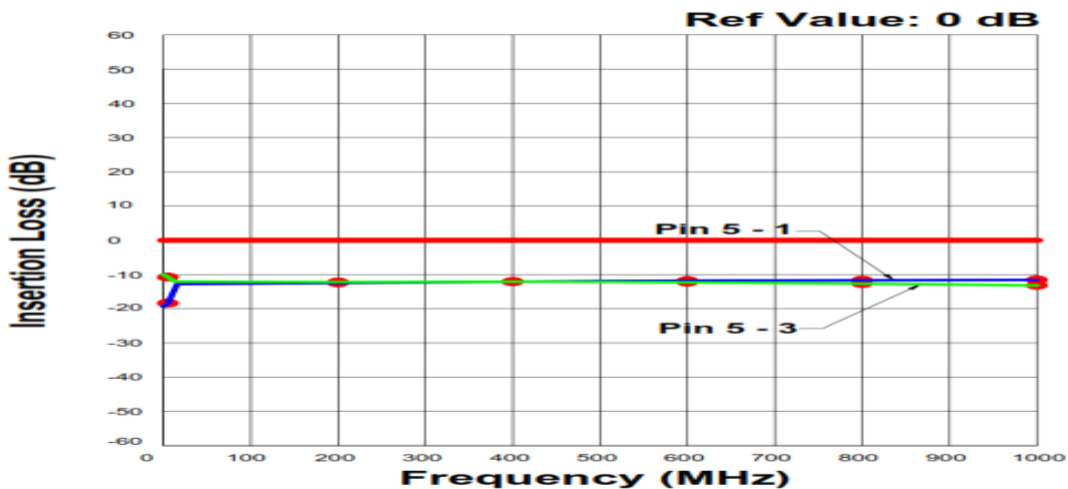
Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 75Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|-------|-----|
| Insertion Loss (Pin 5-1) | @ 45 MHz | dB | - | 12.85 | - |
| | @ 400 MHz | dB | - | 12.20 | - |
| | @ 800 MHz | dB | - | 11.75 | - |
| | @ 1 GHz | dB | - | 11.66 | - |
| Insertion Loss (Pin 5-3) | @ 45 MHz | dB | - | 11.65 | - |
| | @ 400 MHz | dB | - | 12.20 | - |
| | @ 800 MHz | dB | - | 12.72 | - |
| | @ 1 GHz | dB | - | 13.27 | - |



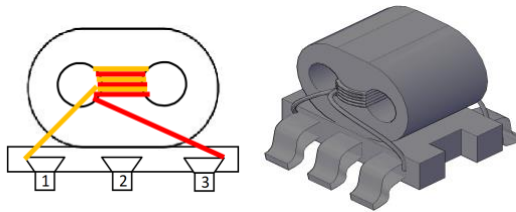
Specifications subjects to change. Customize versions are available upon request



RF Balun Transformer Series

Part Number: **GTI-SM-SBPM-13U**

RF



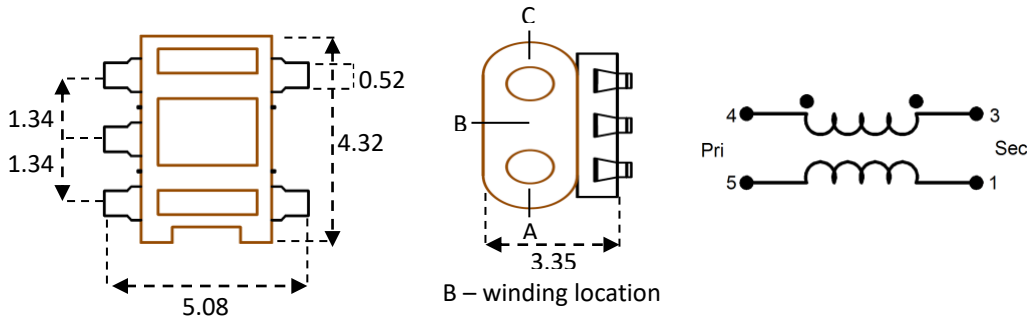
Features:

- Suitable for 50Ω
- Unbalanced to Balanced
- 1:1 Impedance Transformer
- Surface Mount Package

Applications:

Broadband / Wireless

Package Dimension: All dimensions in mm



ELECTRICAL SPECIFICATION: Ta=25°C; Zo = 50Ω

| Parameter | Frequency Range | Units | Min | Typ | Max |
|-----------------------------|-----------------|-------|-----|------|-----|
| Insertion Loss (Pin 4-3) | @ 5 MHz | dB | - | 0.36 | - |
| | @ 200 MHz | dB | - | 4.30 | - |
| | @ 400 MHz | dB | - | 4.59 | - |
| | @ 600 MHz | dB | - | 6.82 | - |
| Insertion Loss (Pin 4-1) | @ 5 MHz | dB | - | 0.51 | - |
| | @ 200 MHz | dB | - | 2.00 | - |
| | @ 400 MHz | dB | - | 4.15 | - |
| | @ 600 MHz | dB | - | 6.98 | - |

