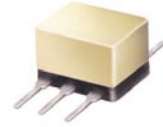


Surface Mount RF Transformer

50Ω 0.02 to 30 MHz

TT25-1+ TT25-1



CASE STYLE: W38
PRICE: \$9.95 ea. QTY (1-9)

**+ RoHS compliant in accordance
with EU Directive (2002/95/EC)**

*The +Suffix identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.*

Maximum Ratings

| | |
|-----------------------|---------------|
| Operating Temperature | -20°C to 85°C |
| Storage Temperature | 55°C to 100°C |
| RF Power | 250mW |
| DC Current | 30mA |

Pin Connections

| | |
|---------------|---|
| PRIMARY DOT | 4 |
| PRIMARY | 6 |
| PRIMARY CT | 5 |
| SECONDARY DOT | 3 |
| SECONDARY | 1 |
| SECONDARY CT | 2 |

Features

- excellent return loss
- also available with surface mount gull wing (KK81) plug-in (X65) leads

Applications

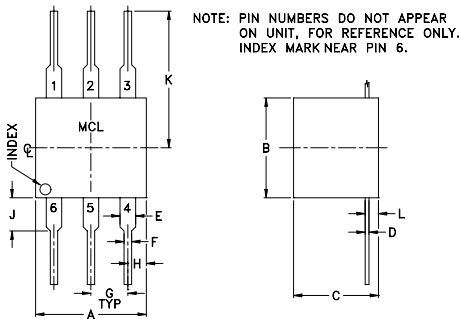
- HF
- radio communication systems
- impedance matching
- ham radio

Transformer Electrical Specifications

| Ω RATIO (Secondary/Primary) | FREQUENCY (MHz) | INSERTION LOSS* | | |
|-----------------------------------|--------------------|-----------------|-------------|-------------|
| | | 3 dB MHz | 2 dB MHz | 1 dB MHz |
| 25 | 0.02-30 | 0.02-30 | 0.05-20 | 0.1-10 |

* Below 0.05 MHz, Insertion Loss is specified for room temperature and above.

Outline Drawing



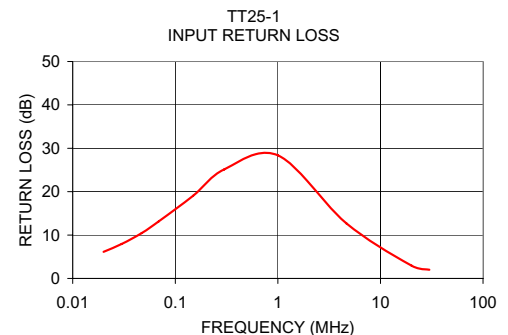
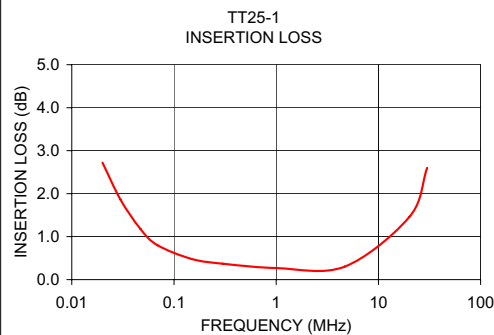
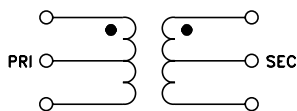
Outline Dimensions (inch/mm)

| | | | | | |
|------|------|------|------|------|-------|
| A | B | C | D | E | F |
| .30 | .27 | .23 | .010 | .042 | .020 |
| 7.62 | 6.86 | 5.84 | 0.25 | 1.07 | 0.51 |
| G | H | J | K | L | wt |
| .100 | .05 | .09 | .31 | .036 | grams |
| 2.54 | 1.27 | 2.29 | 7.87 | 0.91 | 0.50 |

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) |
|--------------------|---------------------------|--------------------------|
| 0.02 | 2.72 | 6.13 |
| 0.03 | 1.86 | 7.95 |
| 0.05 | 1.18 | 10.45 |
| 0.07 | 0.80 | 13.16 |
| 0.15 | 0.48 | 19.05 |
| 0.30 | 0.37 | 25.11 |
| 1.01 | 0.27 | 28.34 |
| 4.66 | 0.30 | 12.69 |
| 20.13 | 1.46 | 2.94 |
| 30.00 | 2.60 | 2.00 |

Config. B



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