

SMD RF Transformers

6 Pin SMD Package



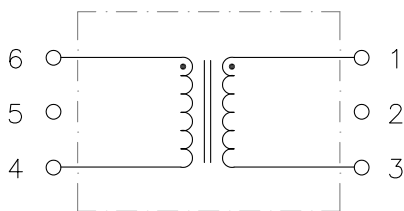
Product Features:

- SMD series of wideband RF transformers with operating bandwidth from 0.04 to 500MHz.
- Operating Temp -40 to +85°C
- .25 watts RF Power
- 30mA max. DC current
- 1500Vrms Isolation
- UL60950 and EN60950 approved.

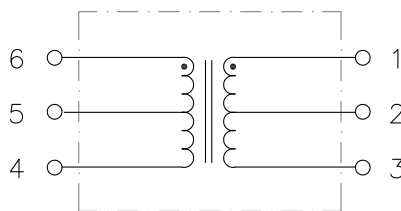
| Part Number | Ω Ratio PRI:SEC | Turns Ratio PRI:SEC $\pm 3\%$ | -3dB | Insertion Loss(MHZ) -2dB | -1dB | Circuit |
|----------------|---------------------------|----------------------------------|------------|-----------------------------|---------|---------|
| TG01-RF10NS8LF | 1:1 | 1:1 | 0.15-400 | 0.2-200 | 0.3-100 | A |
| TG04-RF01NS8LF | 1:1 | 1CT:1CT | 0.004-300 | 0.02-200 | 0.1-100 | B |
| TGSP-RF12NS8LF | 1:1.5 | 1:1.224 | 0.1-300 | 0.2-150 | 0.5-80 | A |
| TGSP-RF02NS8LF | 1:1.5 | 1CT:1.224CT | 0.075-500 | 0.2-100 | 1-50 | B |
| TGSP-RF04NS8LF | 1:3 | 1CT:1.732CT | 0.05 - 200 | 0.2-50 | 1-30 | B |
| TG07-RF18NS8LF | 1:4 | 1:2CT | 0.2 - 350 | 0.4-300 | 0.5-200 | C |
| TG08-RF05NS8LF | 1:4 | 1CT:2CT | 0.1 - 300 | 0.2-250 | 0.3-180 | B |
| TGSP-RF19NS8LF | 1:9 | 1:3 | 0.15-200 | 0.3-150 | 2-40 | A |
| TGSP-RF06NS8LF | 1:16 | 1CT:4CT | 0.1 - 45 | 0.14-35 | 1-20 | B |

Note: Primary pins are 4-6

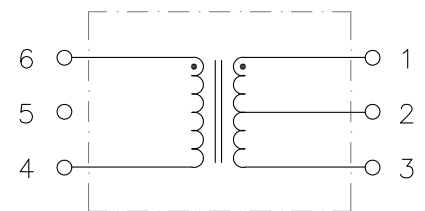
Circuit A



Circuit B

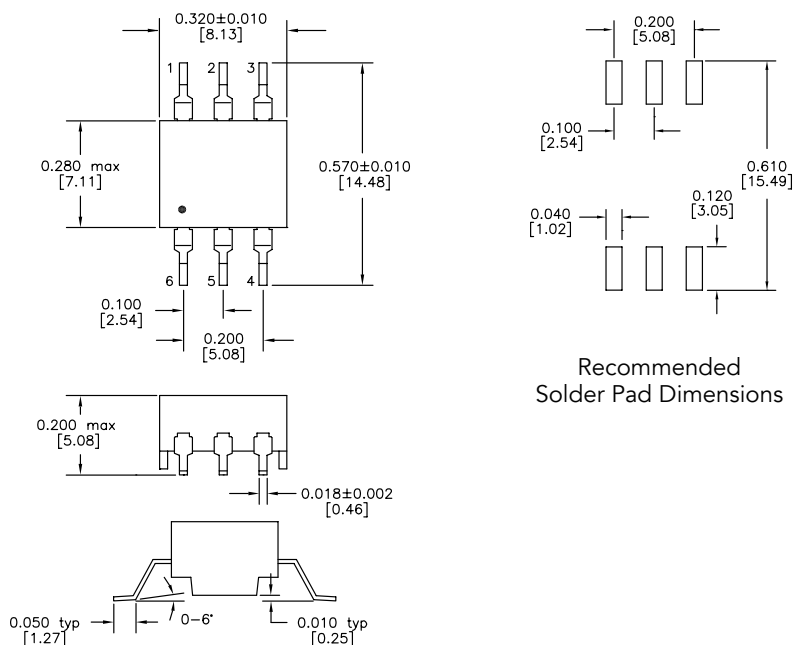


Circuit C



SMD RF Transformers

Package NS8



Dimensions: inches [mm]
Co-Planarity: 0.004 [0.10]

US Patent Numbers

5,656,985 6,297,721 B1
6,297,720 B1 6,320,489 B1
6,344,785 B1 6,662,431 B1



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HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.