



## **RF transformer**

**1:1 transformer**

**Series/Type:** **B78408**

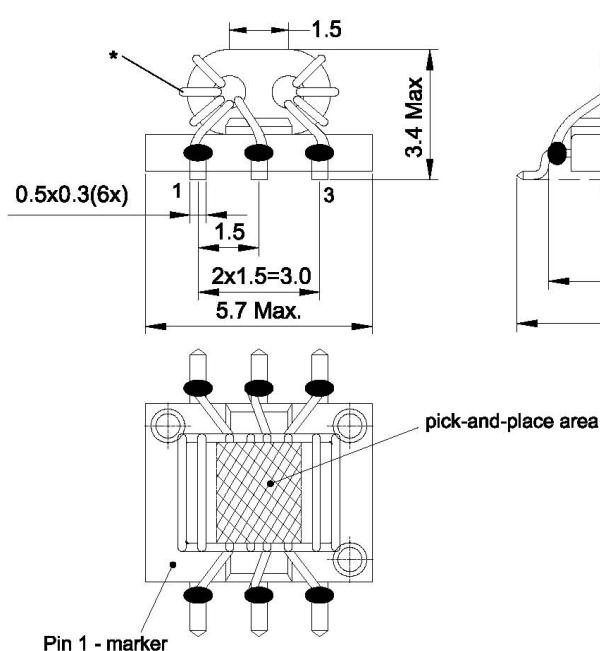
**Ordering code:** **B78408A1208A003**

**Date:** December 2005

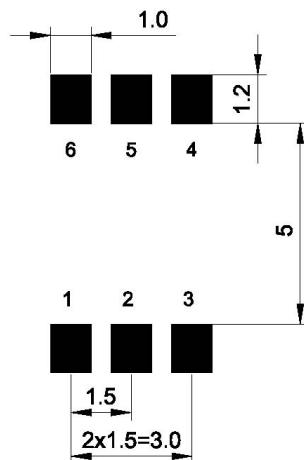
### Technical data

Recommended frequency range: 47 ... 862 MHz  
 Operating temperature: -40 ... +85 °C  
 RoHS-compatible<sup>1)</sup>

### Dimensional drawing and layout



Layout recommendation  
(top view)



<sup>1)</sup> Exemplary winding construction

Dimensions in mm

Coplanarity: <0.2 mm



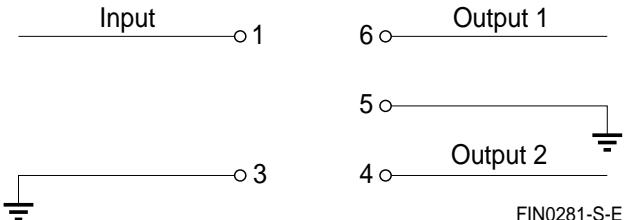
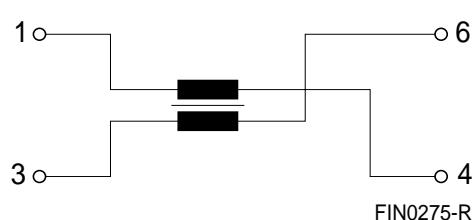
### Packing

12-mm blister tape to IEC 60286-3

Reel 330 mm

Packing unit: 2.100 pieces/reel

- 1) The components described as "RoHS-compatible" are in compliance with the requirements of the regulations listed below ("Regulations") and with the requirements of the provisions which will result from transformation of the Regulations into national law to the extent such provisions reflect the Regulations.
  - Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("Directive 2002/95/EC");
  - Commission Decision of 18 August 2005 amending Directive 2002/95/EC (2005/618/EC);
  - Commission Decision of 13 October 2005 and of 21 October 2005 amending the Annex to Directive 2002/95/EC (2005/717/EC; 2005/747/EC).

**Circuit diagram and test arrangement**

**Insertion loss**

Measurement instrument: Network Analyzer

Test board: BA 501/impedance: 50 Ω

Values specified at 25 °C

Frequency	5 MHz	100 MHz
Input/Output1 (dB)	4.0 ± 0.3	4.0 ± 0.3

## Important notes

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