

High Performance Impedance Transformers



The final product may vary from the above image depending on the options selected.

Products:

DEV 8131	Impedance Transformer; DC, 10 MHz, 900...2200 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)
DEV 8132	Impedance Transformer; 47...862 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)

Features:

- Impedance Transformers 75 Ohm - 50 Ohm for L-Band Applications or for CATV-Band Applications
- Various Connector Types for both Ports available, to be selected via Options (please refer to the Order Information Section)
- Low Loss Impedance Transformation
- Solid Metal Housing in two Sizes

Technical Data

DEV 8131 Impedance Transformer; DC, 10 MHz, 900...2200 MHz

DEV 8132 Impedance Transformer; 47...862 MHz

RF Specifications

Frequency Range	DEV 8131:	DC, 10 MHz, 900...2200 MHz
	DEV 8131 (with Option 15):	900...2200 MHz
	DEV 8132:	47...862 MHz
Impedance, Connectors	75 Ohm Port:	Option Code: 06 (standard): precision F(f) Option Code: 04 BNC (f) Option Code: 05 N (f) Option Code: 05m N (m)
	50 Ohm Port:	Option Code: 02 (standard): SMA (f) Option Code: 02m SMA (m) Option Code: 01 BNC (f) Option Code: 01m BNC (m) Option Code: 03 N (f) Option Code: 03m N (m)
Return Loss	DEV 8131, DEV 8132 (50 Ohm Port):	>16 dB
	DEV 8132 (75 Ohm Port):	>15 dB
Insertion Loss		<1 dB

General Specifications

Size "Small" Housing	~0.8" (20 mm) Width, ~0.7" (18 mm) Height, ~2" (50 mm) Depth
Size "Large" Housing	1" (25.4 mm) Width, 1" (25.4 mm) Height, 1.5" (38 mm) Depth
Weight	~0.3 kg
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E

Order Information

Products

DEV 8131	Impedance Transformer; DC, 10 MHz, 900...2200 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)
Option 15	DC Blocked
DEV 8132	Impedance Transformer; 47...862 MHz; 75 Ohm, F (f) - 50 Ohm, SMA (f)

Connector Options

- If different connectors than the standard connectors are required, please select a connector combination from the following matrix and specify the option code combination in the order, e.g. "0401" for BNC (f) connectors on both sides.
- Only for the connector combinations highlighted **dark gray** in the matrix, the impedance transformers are delivered in the "Large" Housing, otherwise in the standard "Small" Housing. For the dimensions of the housings, please refer to the Technical Data section.
- Empty fields in the matrix denote connector combinations that are not available as standard products.

75 Ohm Port \ 50 Ohm Port	SMA (f) [02]	SMA (m) [02m]	BNC (f) [01]	BNC (m) [01m]	N (f) [03]	N (m) [03m]
precision F (f) [06]	(standard)	0602m	0601	0601m	0603	0603m
BNC (f) [04]	0402	0402m	0401	0401m	0403	0403m
N (f) [05]			0501	0501m	0503	0503m
N (m) [05m]			05m01	05m01m	05m03	05m03m

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Rev. 17-Jan-2018

Technical specifications are subject to change