PREMIER DEVICES, INC.
Engineering & Manufacturing

XFA-0101-16WH

SURFACE MOUNT TRANSFORMER

Features

- Frequency Range: 0.03 – 75 MHz
- Impedance Ratio: 1:16, Unbalanced to Balanced
- Industry Standard SMT package
- Available in Tape-and –Reel
- Low Cost



Description

The XFA-0101-16W transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless and other communications systems.

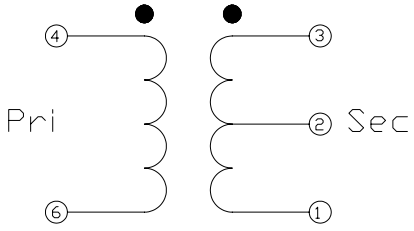
Specifications

Parameter	Minimum	Maximum
Frequency Range (MHz)	0.03	75
Insertion Loss <1dB	0.18	25
Insertion Loss <2dB	0.05	45
Insertion Loss <3dB	0.03	75
Impedance ratio	1:16	
Type	Unbalanced to Balanced	

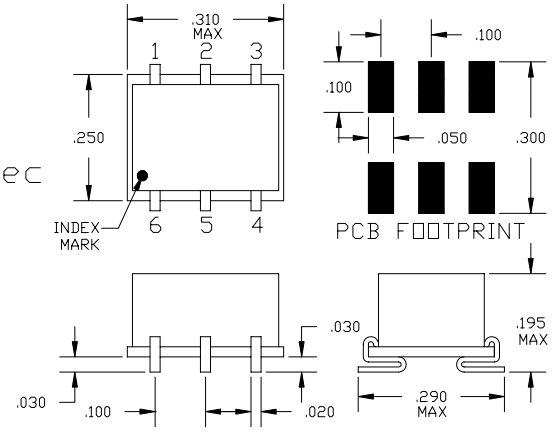
Absolute Maximum Ratings

Parameter	Maximum
RF Power	+33 dBm
Operating Temperature	-55 to +100 °C
Storage Temperature	-55 to +100 °C
Re-flow Temperature	+ 240 °C

Schematic



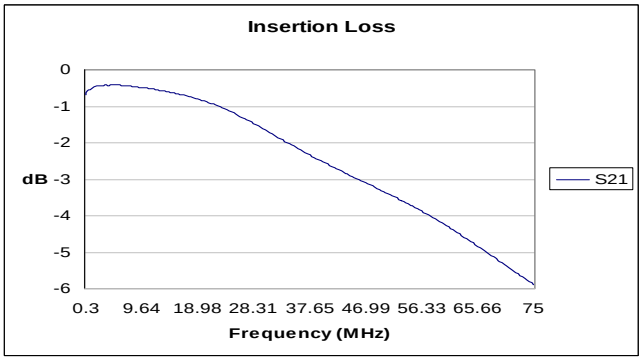
Package – S06



Pin Functions

Function	Pin
SECONDARY	1
SECONDARY CT	2
SECONDARY DOT	3
PRIMARY DOT	4
NC	5
PRIMARY	6

Typical Test Data – Insertion Loss of two units back-to-back @ 25°C. Primary Impedance 50 Ohms.



Specifications and information on this data sheet are subject to change without notice.

1860 Hartog Drive, San Jose, California 95131 USA — Tel: 001-408-436-7720 — Fax: 001-408-436-7689 — Email: Sales@premierdevices.com
Leffelholzstr. 20, D-90441, Nurnberg, Germany — Tel: +49(0)911/9411 233 — Fax: +49(0)911/9411 198 — Email: Sales.germany@premierdevices.com
2/1-2F, No.99 Lane 2535 Gudai Rd, Shanghai, China PC 201100 — Tel: (86)21-5416-8648 — Fax: (86)21-5416-8753 — Email: Sales.china@premierdevices.com