



# Mag Layers USA

## RT Lan Transformer Series

Mag Layers 2011 and 1K magnetic support 4-Pair/Channel PoE 60-watt capability for all major PHY suppliers. They come in a low-profile package and are designed to meet IEEE802.3ab / ANSI 3.63 applications such as base stations, access points, NIC cards.



### Markets

- Telcom
- Network
- Communication
- Industrial
- IOT
- Compute
- Consumer

### Applications

- High current power supplies
- Laptop, Desktop & Servers
- Battery-powered devices

### Features

- Operating Temperature  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Suitable for Flow and Re-Flow
- Frameless Electrode Plating Terminal
- Insulated Wire
- Light Compact Coil
- Frameless Electrode Plating
- Separate Winding  $220^{\circ}\text{C}$  Grade Wire
- Mn-Zn & Ni-Zn Ferrite Core
- RoHS / REACH Compliant
- Shielded Design

## Product Specification

Operating Temperature: -40°C to +85°C.

Part Number	Turns Ratio	Insertion Loss		Return Loss				CMRR					Crosstalk				
	100KHz	dB MAX		dB MIN				dB MIN					dB MIN				
	Pri To Sec	1MHz-100MHz	120MHz	1MHz-20MHz	50MHz	80MHz	100MHz	2MHz	30MHz	50MHz	100MHz	150MHz	200MHz	1MHz	200MHz	300MHz	100MHz
PT14S01	1:1±2%	+1.0	+2.0	+18	+14.4	+12	+10	+35	+25	+21.6	+15.4	+10.5	+7.0	+50	+41	+37	+33

## Mechanical Dimension(Inch)

L:0.69  
W:0.63  
H:0.225

Hipot	DC Resistance	DC Current Rating
Vrms, Sec	mOhms, MAX	MAX
Pri To Sec	½ Winding at sec.	600 mA DC at 57 V
1500, 60	750	

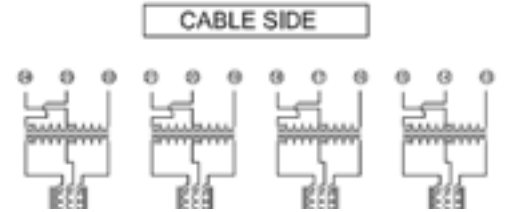


Image	Mfr#	Description	Digikey Inventory
	<a href="#">RT11S16-RU</a>	DISCRETE PULSE LAN XFMR 10/100	<a href="#">View Details</a>
	<a href="#">RT12SA5-RU</a>	DISCRETE PULSE LAN XFMR 1G	<a href="#">View Details</a>