



Features

- Paired wire coil for high stability.
- Base pin terminal treated, allowing mounting 'as is' on a PCB.

Applications

- Double balance mixers, broad-band transformers, impedance transformers, etc.



SPECIFICATION

Customer:			
Customer Part No.:			
Part Name:	RF Balun Transformer		
Part Number:	TOKO-616PT1030 alternative		
Prepared By: <i>黎明華</i>	Checked By: <i>Sane.</i>	Approval By: <i>Kenny</i>	Submitted Date: August 16, 2022
Approval by Customer:			Version: 0

Specification For Temporary Reference Only.

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Product Introduction

Features :

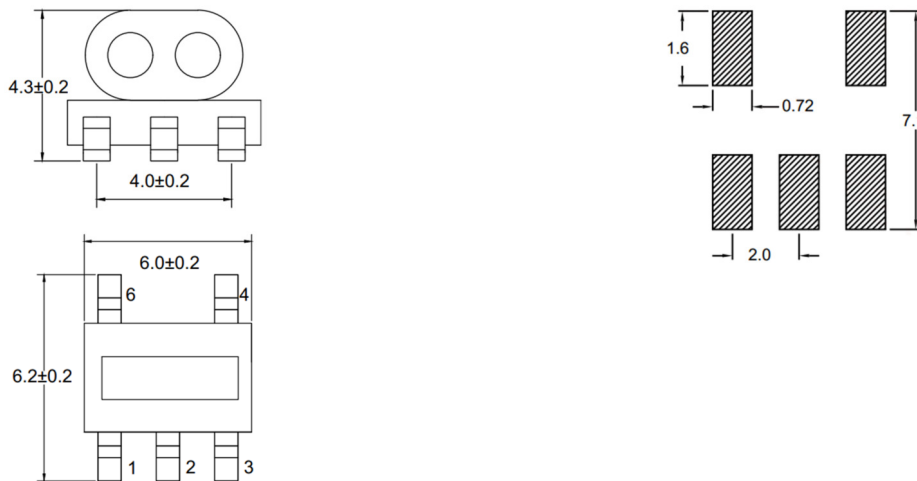
- 50Ω 1: 4 CT Flux Coupled Transformer 2-370 MHz
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW
- DC Current: 30mA

Applications :

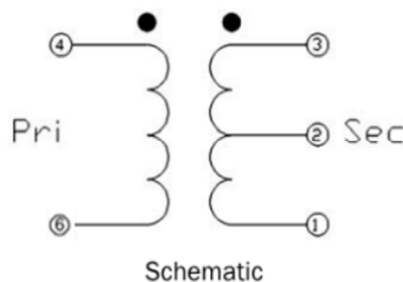
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

Structure & Dimensions

Dimensions & Recommended Land Patterns (Unit: mm)



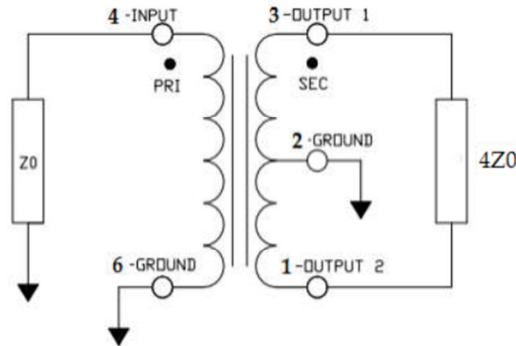
Electrical Structure



Pin Configuration

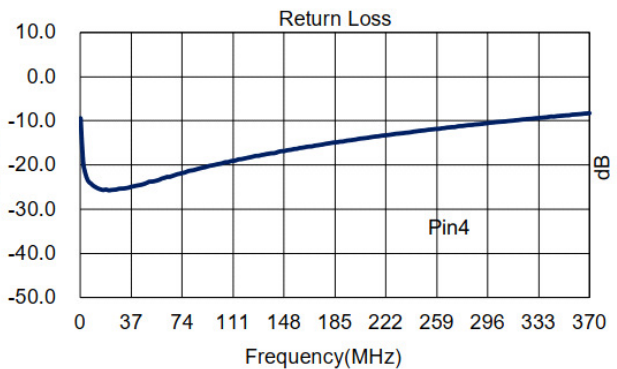
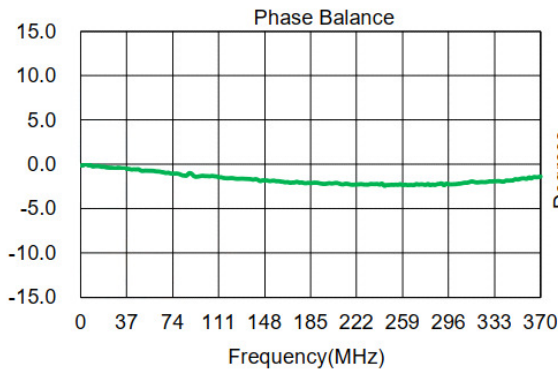
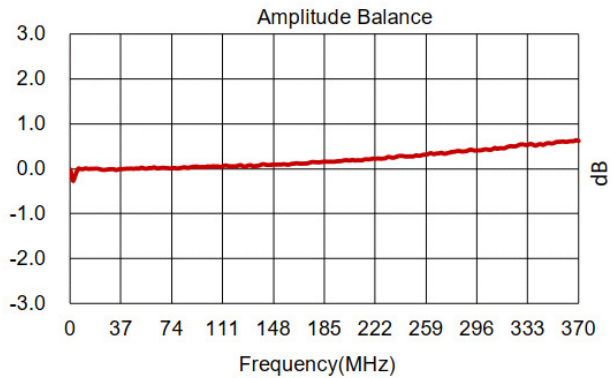
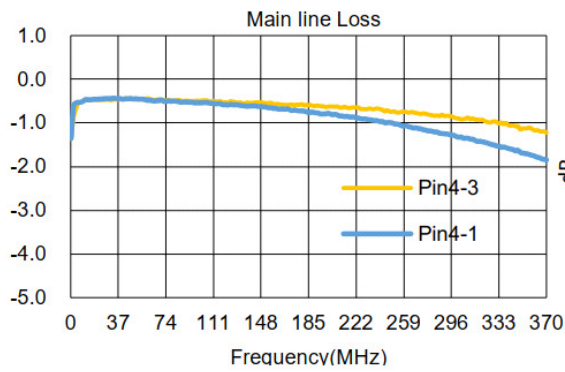
Pin No.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

► **Application Circuit**

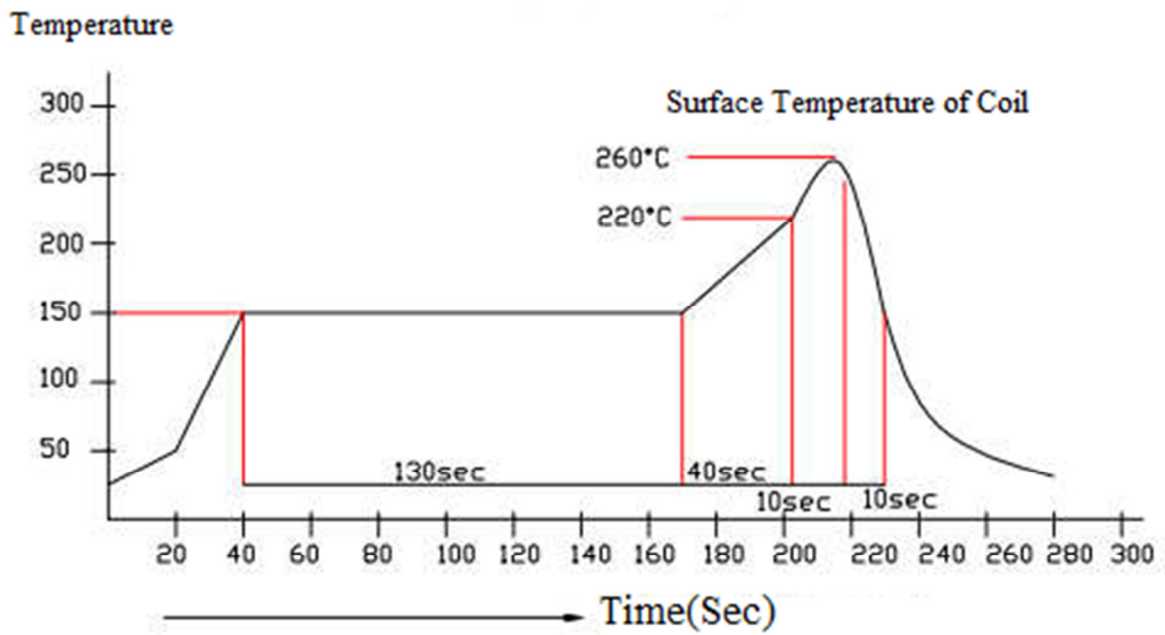


Electrical Specifications: $T_A=25^\circ\text{C}$ $Z_0=50\Omega$

Parameter	Test Conditions	Unit	Min.	Typ.	Max.
Main Line Loss (Pin4-3)	2-370MHz	dB	-	1.1	1.8
Main Line Loss (Pin4-1)	2-370MHz	dB	-	1.8	2.4
Amplitude Balance	2-370MHz	dB	0	0.5	1.5
Phase Balance	2-370MHz	Degrees	0	3.0	8.0
Input Return Loss (Pin4)	2-370MHz	dB	8.0	12.0	-



▶ **Recommended Reflow Soldering**



▶ **Package Information**

1000Pcs/Reel.