

TH0480 Resistance Time Constant Standard



1. Summary

TH0480 is a time constant resistance standard, nominal resistance $1\ \Omega$, nominal output voltage $1V$. It has good AC/DC difference and phase displacement index. The time constant calibration uncertainty can reach $0.1ns$.

2. Feature

- Typical Value of AC/DC Difference: $1\ ppm$
- Typical Value of Phase Displacement: $1\ \mu rad$
- Working Frequency: DC, $50\ Hz \sim 100\ kHz$
- Time constant: better than $5\ ns$
- Maximum working current: $2\ A$

3. Specification

Frequency	53 Hz	400 Hz	1 kHz
Maximum AC/DC difference (ppm)	1	2	3
Phase Displacement (μ rad)	1	2	3

4. General Specifications

Power Supply	—
Temperature Performance	Working temperature: 18 °C ~ 28 °C; Storage temperature: 0 °C ~ 45 °C;
Humidity Performance	Working humidity: (20% ~ 85%) R·H, no condensation; Storage Humidity: \leq 95% R·H, no condensation.
Weight	About 2.0 kg
Input/output Interface	Input/Output: N female
Maximum Dimensions	125 mm (W) × 85 mm (D) × 80 mm (H)