Teflon woven glass fabric planar resistor copper-clad laminates F4BDZ294

1. Introduction:

F4BDZ294 is a kind of Teflon woven glass fabric planar resistor copper-clad laminates with the dielectric constant of 2.94. This kind of high frequency laminates is manufactured by Teflon woven glass fabric（with low dielectric constant and low dissipation factor）with the planar resistor copper foil. It features with excellent electrical and mechanical performance. Its high mechanical reliability and excellent electrical stability is suitable for the design of the complicated microwave circuit.

Specification for the planar resistor copper foil:

Square resistance	Thickness of nickel-phosphorous alloy corresponding to the square resistance left	Tolerance
50 /	0.20 μm	5%
100 /	0.10 μm	5%

Structure of the material: One side is clad with resistor copper foil, and the other side is clad with traditional copper foil, and the dielectric material with Teflon woven glass fabric.

The dielectric constant is 2.94.

Features of the material: low dielectric constant and loss; excellent electrical / mechanical performance; lower thermal coefficient of dielectric constant; low outgassing.

2. Application scope

（1）Ground-based and airborne radar system;

（2）Phased array antenna;

（3）GPS antenna;

（4）Power backboard;

（5）Multilayer PCB;

（6）Spotlight network.