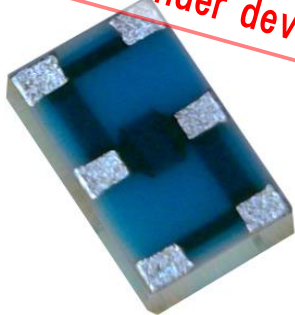


High Frequency Chip Attenuators

Under development



■ATS Series

Features

- Miniature surface mount chip attenuator (2012 size)
- Attenuation values 0-10dB
- DC-50GHz performance
- Ni-alloy thin-film resistive elements
- Facedown type

Application

- Wireless communication devices and base stations
- Wireless communication modules



◆Part numbering system

ATS 2012 - 01DB - FD - T1

Series code: ATS
Size "2012" = 2.0mm × 1.25mm

Attenuation: 00DB-10DB
2 digits + DB (e.g. 0dB=00DB)

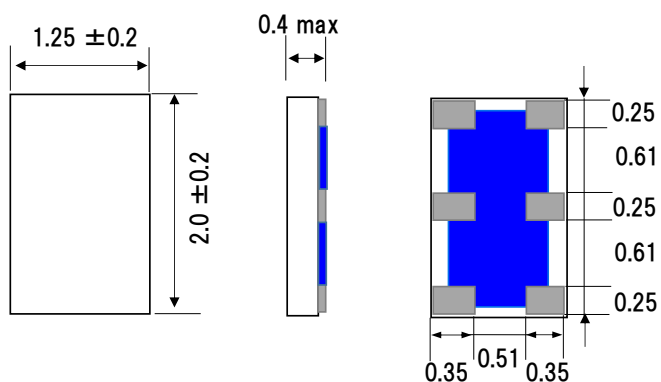
Facedown type

Packaging quantity:
T05(500pcs) T1(1,000pcs)

◆Electrical Specification

Attenuation	Type(circuit diagram)	Frequency Range	Attenuation Tolerance	VSWR Tolerance	Nominal Impedance	Power Rating	Packaging Quantity
0dB	THRU(Fig.1)	DC~25GHz	±1dB	≦1.4	50 Ω	100mW	Reel T05 = 500pcs T1 = 1,000pcs
		25GHz~50GHz	±2dB	≦1.6			
1dB-8dB	Pi(Fig.2)	DC~25GHz	±1dB	≦1.4			
		25GHz~50GHz	±2dB	≦1.6			
9dB-10dB	Dual Pi(Fig.3)	DC~25GHz	±1dB	≦1.4			
		25GHz~50GHz	±2dB	≦1.6			

◆Dimensions (mm)



◆Circuit Diagram

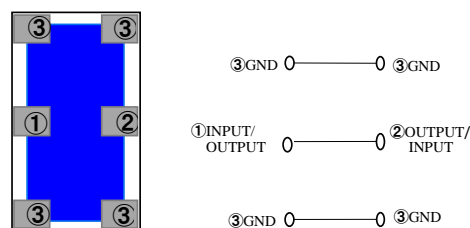


Fig.1 THRU

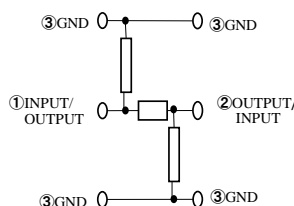


Fig.2 Pi

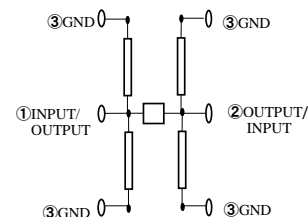
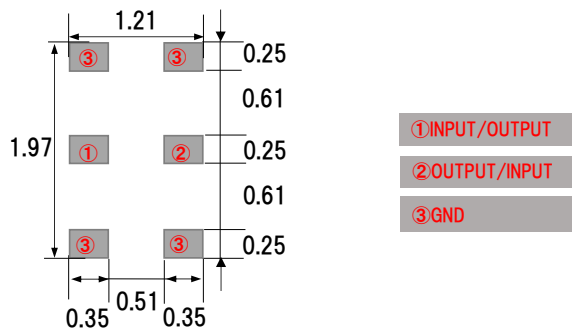


Fig.3 Dual Pi



◆ Recommended Land Patterns (mm)



◆ Actual measurement result

