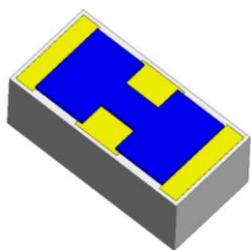


# High Frequency Chip Attenuators



## ■ATS Series

### Features

- 1005 EIA standard case size
- Attenuation values 0-10dB
- DC-50GHz performance
- Ni-alloy thin-film resistive elements
- Facedown type

### Application

- Cell phone base stations, Wireless communication modules etc.



## ◆Part numbering system

**ATS 1005 - 1dB - FD - T1**

Series code: **ATS**  
Size "1005" = 1.0 × 0.5mm  
Attenuation: **1dB**  
Type: **FD** (Facedown type)  
Packaging quantity: **T1** (1,000pcs)

## ◆Electrical Specification

Attenuation	Type(circuit diagram)	Frequency Range	Attenuation Tolerance	VSWR Tolerance	Nominal Impedance	Power Rating	Packaging Quantity
0dB	THRU(Fig.3)	DC~30GHz	-0.75dB	≤1.4	50Ω	32mW	Reel T05 = 500pcs T1 = 1,000pcs
		30GHz~50GHz	-1.25dB	≤1.6			
1dB	Pi(Fig.4)	DC~30GHz	±0.75dB	≤1.5			
		30GHz~50GHz	±1.25dB	≤1.7			
2dB-10dB	Pi(Fig.4)	DC~30GHz	±0.75dB	≤1.4			
		30GHz~50GHz	±1.25dB	≤1.6			

## ◆Dimensions (mm)

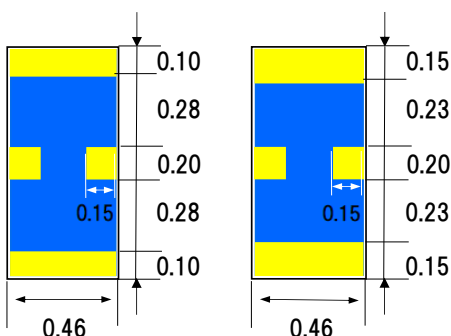
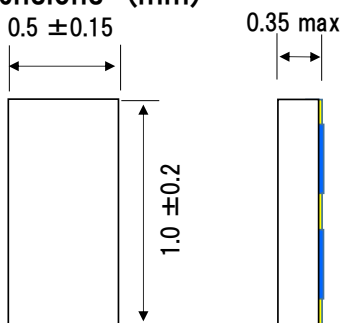


Fig.1 1dB

Fig.2 0dB, 2dB~10dB

## ◆Circuit Diagram

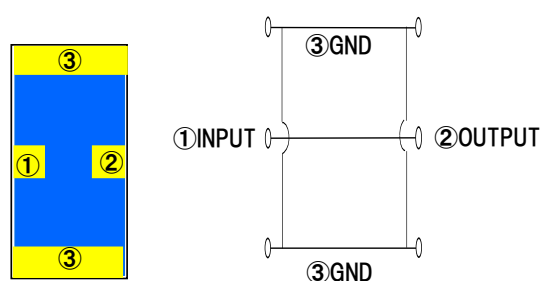


Fig.3 THRU

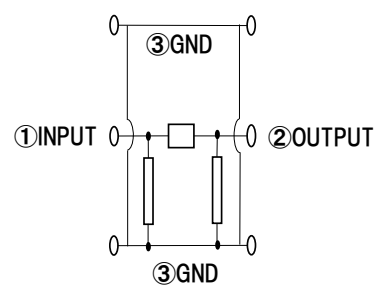
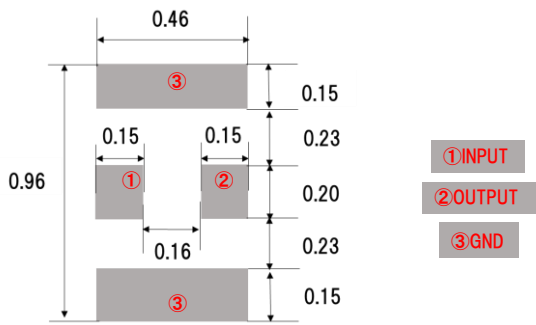


Fig.4 Pi

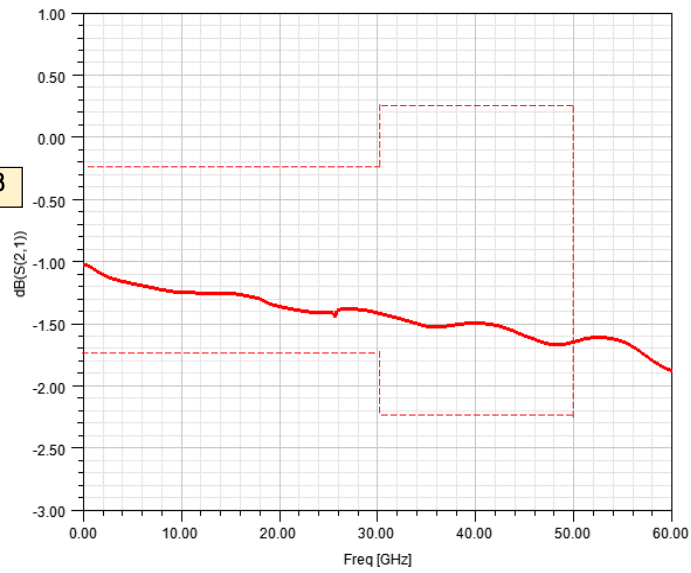


## ◆ Recommended Land Patterns (mm)

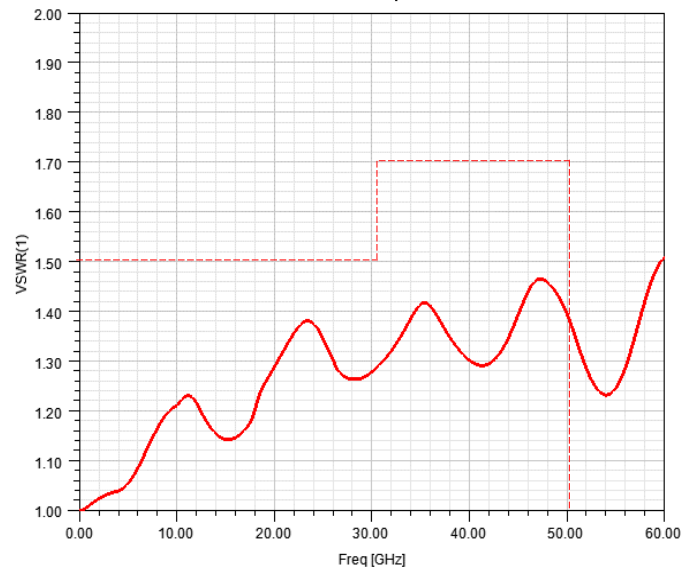


## ◆ Simulation results

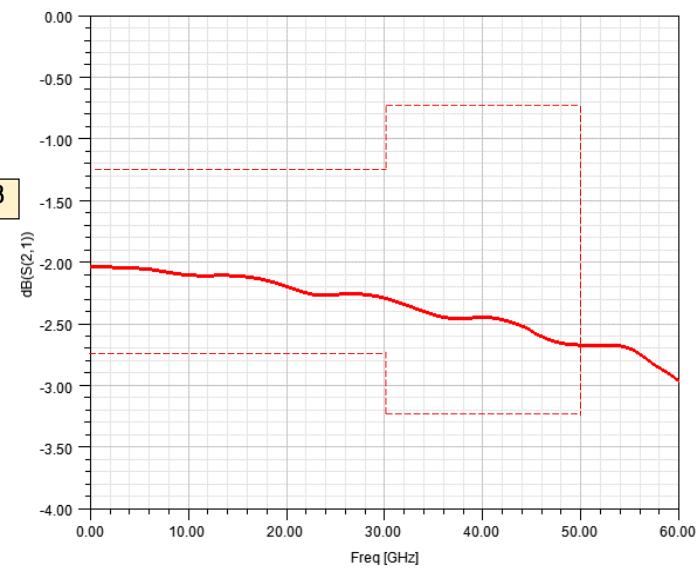
S Parameter Plot 1



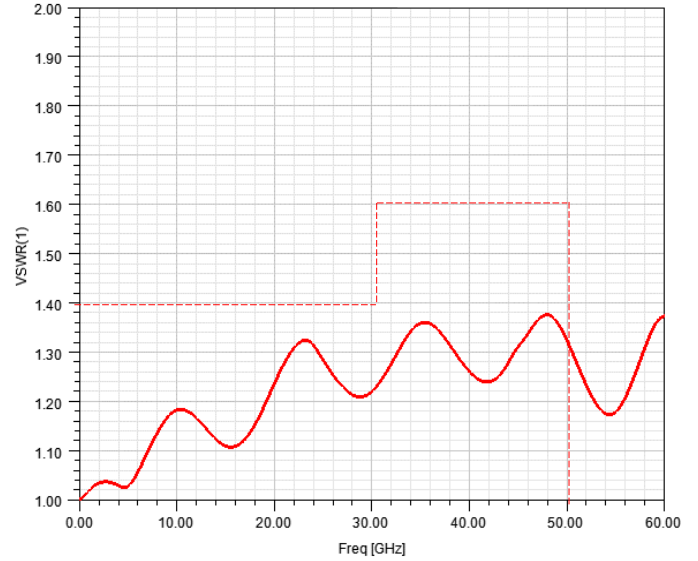
VSWR Plot 1.



S Parameter Plot 1



VSWR Plot 1.



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Attenuators](#) category:*

*Click to view products by [Susumu](#) manufacturer:*

Other Similar products are found below :

[ATN3580-01](#) [HMC305SLP4ETR](#) [MAAD-009195-000100](#) [TGL4201-00](#) [TGL4201-02](#) [TGL4201-03](#) [TGL4201-06](#) [TGL4201-10](#) [ATN3590-15](#) [20-50TPC](#) [D10AA5Z4](#) [18AH-01](#) [18AH-08](#) [ATN3580-20](#) [ATN3590-09](#) [20-50RP](#) [MASW-008322-000000](#) [MAATCC0009TR](#) [PCAF-10](#) [EXB-24AT9AR5X](#) [ATN3580-10](#) [HMC539ALP3ETR](#) [ATN3580-02](#) [WA04P006XCTL](#) [SKY12408-321LF](#) [ATN3580-03](#) [WA04P005XBTL](#) [HMC-VVD104-SX](#) [WA04P007XCTL](#) [SKY12236-11](#) [MAATSS0018TR-3000](#) [HMC656-SX](#) [WA04P001XBTL](#) [MAAV-007941-TR3000](#) [WA04P004XBTL](#) [WA04P002XBTL](#) [HMC941A](#) [PAT0816-C-0DB-T5](#) [PAT0816-C-8DB-T5](#) [PAT1632-C-3DB-T1](#) [PAT1632-C-6DB-T1](#) [PAT1632-C-10DB-T1](#) [PAT1632-C-1DB-T1](#) [PAT0816-C-2DB-T5](#) [PAT0816-C-4DB-T5](#) [DHM510-0100-006](#) [CMD172](#) [MAT10300](#) [MAT10180](#) [MAATCC0007-TB](#)