

## 1 Way Indoor CATV Tap



### Description

SHG TAP1xx type indoor high isolation Taps, horizontal port, adopts tinned die-case zinc-alloy case and concave solder back design ensure high RFI, high performance of anti-causticity, anti-RF interference, anti-leakage.

- ◆ Frequency range is 5-1000MHz .
- ◆ Low insertion loss, High return loss and isolation .
- ◆ Easy installation, dual flush mounting tabs in both side are used for fixing.
- ◆ Zinc housing that is plated for corrosion resistance.
- ◆ Solder back design ensure high RFI.

### Electrical performance

<i>ITEM</i>		<b>Model: TAP1xx</b>									
<b>Tap Loss</b> (dB)		06	08	10	12	14	16	18	20	22	24
<b>Tolerance</b>	5-1000MHz	±1.5 dB									
<b>Insertion Loss</b> (dB)	5-50MHz	≤2.5	≤2.0	≤1.8	≤1.5	≤1.2	≤1.0	≤0.8	≤0.8	≤0.8	≤0.8
	50-550MHz	≤2.5	≤2.0	≤1.8	≤1.5	≤1.2	≤1.0	≤0.8	≤0.8	≤0.8	≤0.8
	550-750MHz	≤3.0	≤2.2	≤2.0	≤1.8	≤1.5	≤1.2	≤1.0	≤1.0	≤1.0	≤1.0
	750-1000MHz	≤3.0	≤2.2	≤2.0	≤1.8	≤1.5	≤1.2	≤1.0	≤1.0	≤1.0	≤1.0
<b>Reverse Isolation</b> (dB)	5-50MHz	≥23	≥25	≥26	≥30	≥32	≥35	≥38	≥38	≥38	≥38
	50-550MHz	≥24	≥24	≥25	≥28	≥28	≥30	≥31	≥31	≥31	≥31
	550-750MHz	≥22	≥22	≥24	≥26	≥26	≥28	≥28	≥28	≥28	≥28
	750-1000MHz	≥20	≥22	≥23	≥24	≥24	≥26	≥26	≥27	≥26	≥27
<b>Return Loss</b> (dB)	5-550MHz	≥22									
	550-750MHz	≥22									
	750-1000MHz	≥20									
<b>Shield Factor</b> (dB)		≥110									
<b>Dimension</b> (mm)		54x47x15.5									
<b>Weight</b> (g)		28.5									

## 2 Way Indoor CATV Tap



### Description

SHG TAP2xx type indoor high isolation Taps, horizontal port, adopts tinned die-case zinc-alloy case and concave solder back design ensure high RFI, high performance of anti-causticity, anti-RF interference, anti-leakage.

- ◆ Frequency range is 5-1000MHz .
- ◆ Low insertion loss, High return loss and isolation .
- ◆ Easy installation, dual flush mounting tabs in both side are used for fixing.
- ◆ Zinc housing that is plated for corrosion resistance.
- ◆ Solder back design ensure high RFI.

### Electrical performance

<i>ITEM</i>		<b>Model: TAP2xx</b>								
<b>Tap Loss</b> (dB)		08	10	12	14	16	18	20	22	24
<b>Tolerance</b>	5-1000MHz	±1.5 dB								
<b>Insertion Loss</b> (dB)	5-50MHz	≤3.6	≤3.0	≤2.0	≤2.0	≤1.8	≤1.2	≤1.0	≤1.0	≤1.0
	50-550MHz	≤3.8	≤3.0	≤2.2	≤2.2	≤2.0	≤1.2	≤1.2	≤1.2	≤1.2
	550-750MHz	≤4.0	≤3.2	≤2.2	≤2.2	≤2.2	≤1.5	≤1.5	≤1.5	≤1.5
	750-1000MHz	≤4.1	≤3.3	≤2.5	≤2.2	≤2.2	≤1.5	≤1.5	≤1.5	≤1.5
<b>Reverse Isolation</b> (dB)	5-50MHz	≥26	≥28	≥28	≥30	≥35	≥35	≥35	≥35	≥38
	50-550MHz	≥26	≥25	≥25	≥28	≥30	≥31	≥33	≥35	≥35
	550-750MHz	≥25	≥25	≥26	≥26	≥28	≥28	≥31	≥31	≥33
	750-1000MHz	≥24	≥24	≥25	≥25	≥26	≥26	≥28	≥30	≥30
<b>Return Loss</b> (dB)	5-550MHz	≥22								
	550-750MHz	≥22								
	750-1000MHz	≥20								
<b>Shield Factor</b> (dB)		≥110								
<b>Dimension</b> (mm)		54x47x15.5								
<b>Weight</b> (g)		28.5								

## 3 Way Indoor CATV Tap



### Description

SHG TAP3xx type indoor high isolation Taps, horizontal port, adopts tinned die-case zinc-alloy case and concave solder back design ensure high RFI, high performance of anti-causticity, anti-RF interference, anti-leakage.

- ◆ Frequency range is 5-1000MHz .
- ◆ Low insertion loss, High return loss and isolation .
- ◆ Easy installation, dual flush mounting tabs in both side are used for fixing.
- ◆ Zinc housing that is plated for corrosion resistance.
- ◆ Solder back design ensure high RFI.

### Electrical performance

<i>ITEM</i>		<b>Model: TAP3xx</b>							
<b>Tap Loss</b> (dB)		10	12	14	16	18	20	22	24
<b>Tolerance</b>	5-1000MHz	±1.5 dB							
<b>Insertion Loss</b> (dB)	5-50MHz	≤3.3	≤3.2	≤2.5	≤1.8	≤1.5	≤1.2	≤1.0	≤1.0
	50-550MHz	≤3.5	≤3.3	≤2.7	≤2.0	≤1.8	≤1.5	≤1.2	≤1.2
	550-750MHz	≤3.8	≤3.5	≤2.7	≤2.0	≤1.8	≤1.5	≤1.2	≤1.2
	750-1000MHz	≤4.0	≤3.8	≤3.0	≤2.2	≤2.0	≤1.8	≤1.5	≤1.5
<b>Reverse Isolation</b> (dB)	5-50MHz	≥23	≥25	≥27	≥29	≥30	≥32	≥35	≥40
	50-550MHz	≥23	≥23	≥25	≥27	≥29	≥30	≥32	≥35
	550-750MHz	≥23	≥23	≥25	≥27	≥29	≥30	≥32	≥35
	750-1000MHz	≥22	≥22	≥23	≥25	≥27	≥29	≥30	≥32
<b>Return Loss</b> (dB)	5-550MHz	≥20							
	550-750MHz	≥20							
	750-1000MHz	≥17							
<b>Shield Factor</b> (dB)		≥110							
<b>Dimension</b> (mm)		76x47x15.5							
<b>Weight</b> (g)		41.5							

## 4 Way Indoor CATV Tap



### Description

SHG TAP4xx type indoor high isolation Taps, horizontal port, adopts tinned die-case zinc-alloy case and concave solder back design ensure high RFI, high performance of anti-causticity, anti-RF interference, anti-leakage.

- ◆ Frequency range is 5-1000MHz .
- ◆ Low insertion loss, High return loss and isolation .
- ◆ Easy installation, dual flush mounting tabs in both side are used for fixing.
- ◆ Zinc housing that is plated for corrosion resistance.
- ◆ Solder back design ensure high RFI.

### Electrical performance

<i>ITEM</i>		<b>Model: TAP4xx</b>						
<b>Tap Loss</b> (dB)		12	14	16	18	20	22	24
<b>Tolerance</b>	5-1000MHz	±1.5 dB						
<b>Insertion Loss</b> (dB)	5-50MHz	≤3.5	≤3.2	≤2.8	≤2.5	≤2.0	≤1.2	≤1.0
	50-550MHz	≤3.8	≤3.5	≤3.0	≤2.8	≤2.5	≤1.8	≤1.2
	550-750MHz	≤4.0	≤3.8	≤3.0	≤2.8	≤2.5	≤1.8	≤1.5
	750-1000MHz	≤4.5	≤4.0	≤3.2	≤3.0	≤2.8	≤2.0	≤1.8
<b>Reverse Isolation</b> (dB)	5-50MHz	≥23	≥25	≥27	≥29	≥30	≥32	≥35
	50-550MHz	≥23	≥24	≥25	≥27	≥29	≥30	≥32
	550-750MHz	≥22	≥23	≥25	≥27	≥29	≥30	≥32
	750-1000MHz	≥20	≥22	≥23	≥25	≥27	≥29	≥30
<b>Return Loss</b> (dB)	5-550MHz	≥22						
	550-750MHz	≥20						
	750-1000MHz	≥17						
<b>Shield Factor</b> (dB)		≥110						
<b>Dimension</b> (mm)		76x50x15.5						
<b>Weight</b> (g)		48.5						