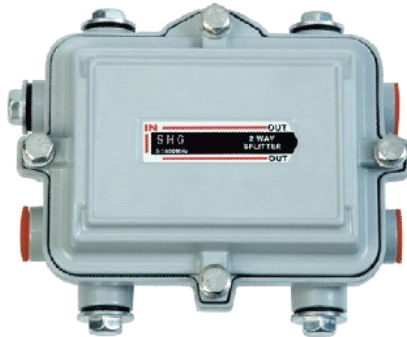


## 1 Way Field Directional Coupler



### Description

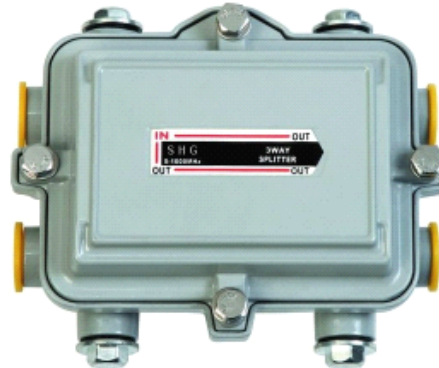
SHG DCTR1xx type 1 way field CATV full power passing taps (Directional Coupler), all ports power passing up to 10 amperes, high performance of RFI & return loss, excellent field weather-resistant, high reliability.

- ◆ Frequency range is 5-1000MHz .
- ◆ All ports power passing to 10 Amperes current,
- ◆ High RFI, Low Insertion Loss, High Return Loss and Isolation .
- ◆ In&out 5/8" standard ports, all F ports meet SCTE IPS-SP- 400 standard.
- ◆ Aluminum alloy house enhanced excellent performance of weather-resistant.

### Electrical performance

ITEM		Model: DCTR1xx									
Tap Loss (dB)		06	08	10	12	14	16	18	20	22	24
<b>Tolerance</b>	5-1000MHz	±1.5 dB									
<b>Insertion Loss (dB)</b>	5-50MHz	≤2.6	≤2.5	≤2.0	≤1.8	≤1.5	≤1.3	≤1.3	≤1.2	≤1.2	≤1.2
	50-550MHz	≤2.8	≤2.6	≤2.2	≤2.0	≤1.8	≤1.5	≤1.4	≤1.3	≤1.3	≤1.3
	550-750MHz	≤3.2	≤2.8	≤2.6	≤2.2	≤2.0	≤1.8	≤1.6	≤1.5	≤1.5	≤1.5
	750-1000MHz	≤3.5	≤3.2	≤2.8	≤2.6	≤2.2	≤2.0	≤1.8	≤1.8	≤1.6	≤1.6
<b>Reverse Isolation (dB)</b>	5-50MHz	≥24	≥24	≥25	≥28	≥28	≥29	≥29	≥30	≥30	≥30
	50-550MHz	≥24	≥24	≥25	≥25	≥28	≥28	≥30	≥30	≥30	≥30
	550-750MHz	≥22	≥24	≥25	≥25	≥28	≥28	≥29	≥29	≥29	≥29
	750-1000MHz	≥22	≥22	≥24	≥24	≥24	≥26	≥26	≥27	≥27	≥27
<b>Return Loss (dB)</b>	5-550MHz	≥16									
	550-750MHz	≥17									
	750-1000MHz	≥17									
<b>In Band Flatness (dB)</b>		±1.0									
<b>Current Capacity (A)</b>		10									
<b>Dimension (mm)</b>		113x125x78									
<b>Weight (g)</b>		500									

## 2 Way Field Directional Coupler



### Description

SHG DCTR2x type 2 way field CATV full power passing taps (Directional Coupler), all ports power passing up to 10 amperes, high performance of RFI & return loss, excellent field weather-resistant , high reliability.

- ◆ Frequency range is 5-1000MHz .
- ◆ All ports power passing to 10 Amperes current,
- ◆ High RFI, Low Insertion Loss, High Return Loss and Isolation .
- ◆ In&out 5/8" standard ports, all F ports meet SCTE IPS-SP- 400 standard.
- ◆ Aluminum alloy house enhanced excellent performance of weather-resistant.

### Electrical performance

<i>ITEM</i>		<b>Model: DCTR2xx</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	≤3.8	≤3.2	≤2.5	≤2.2	≤2.0	≤1.8	≤1.6	≤1.5	≤1.2
	50-550MHz	≤4.0	≤3.5	≤2.7	≤2.5	≤2.4	≤2.0	≤1.8	≤1.7	≤1.4
	550-750MHz	≤4.2	≤3.7	≤2.8	≤2.7	≤2.5	≤2.2	≤2.0	≤1.8	≤1.5
	750-1000MHz	≤4.5	≤4.0	≤3.5	≤2.9	≤2.8	≤2.5	≤2.2	≤2.0	≤1.8
<b>Reverse Isolation</b> (dB)	5-50MHz	≥24	≥25	≥28	≥28	≥29	≥29	≥30	≥30	≥30
	50-550MHz	≥24	≥25	≥25	≥28	≥28	≥30	≥30	≥30	≥30
	550-750MHz	≥24	≥25	≥25	≥28	≥28	≥28	≥29	≥29	≥29
	750-1000MHz	≥22	≥22	≥24	≥24	≥25	≥25	≥26	≥26	≥26
<b>Return Loss</b> (dB)	5-550MHz	≥16								
	550-750MHz	≥17								
	750-1000MHz	≥17								
<b>In Band Flatness</b> (dB)		±1.0								
<b>Current Capacity</b> (A)		10								
<b>Dimension</b> (mm)		113x125x78								
<b>Weight</b> (g)		500								



## 3 Way Field Directional Coupler

### Description

SHG DCTR3xx type 3 way field CATV full power passing taps (Directional Coupler), all ports power passing up to 10 amperes, high performance of RFI & return loss, excellent field weather-resistant , high reliability.

- ◆ Frequency range is 5-1000MHz .
- ◆ All ports power passing to 10 Amperes current,
- ◆ High RFI, Low Insertion Loss, High Return Loss and Isolation .
- ◆ In&out 5/8" standard ports, all F ports meet SCTE IPS-SP- 400 standard.
- ◆ Aluminum alloy house enhanced excellent performance of weather-resistant.

### Electrical performance

<i>ITEM</i>		<b>Model: DCTR3xx</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	≤4.0	≤3.8	≤2.8	≤2.4	≤2.0	≤1.6	≤1.3	≤1.2
	50-550MHz	≤4.2	≤4.0	≤3.0	≤2.5	≤2.2	≤1.8	≤1.5	≤1.3
	550-750MHz	≤4.6	≤4.5	≤3.2	≤2.8	≤2.3	≤1.9	≤1.6	≤1.5
	750-1000MHz	≤5.0	≤4.8	≤3.5	≤3.0	≤2.5	≤2.0	≤1.8	≤1.7
<b>Reverse Isolation</b> (dB)	5-50MHz	≥24	≥24	≥25	≥28	≥28	≥28	≥30	≥30
	50-550MHz	≥24	≥24	≥25	≥25	≥28	≥28	≥30	≥30
	550-750MHz	≥22	≥24	≥25	≥25	≥28	≥28	≥30	≥30
	750-1000MHz	≥22	≥22	≥24	≥24	≥24	≥26	≥26	≥27
<b>Return Loss</b> (dB)	5-550MHz	≥16							
	550-750MHz	≥17							
	750-1000MHz	≥17							
<b>In Band Flatness</b> (dB)		±1.0							
<b>Current Capacity</b> (A)		10							
<b>Dimension</b> (mm)		180x150x80							
<b>Weight</b> (g)		600							





## 4 Way Field Directional Coupler

### Description

SHG DCTR4xx type 4 way field CATV full power passing taps (Directional Coupler), all ports power passing up to 10 amperes, high performance of RFI & return loss, excellent field weather-resistant , high reliability.

- ◆ Frequency range is 5-1000MHz .
- ◆ All ports power passing to 10 Amperes current,
- ◆ High RFI, Low Insertion Loss, High Return Loss and Isolation .
- ◆ In&out 5/8" standard ports, all F ports meet SCTE IPS-SP- 400 standard.
- ◆ Aluminum alloy house enhanced excellent performance of weather-resistant.

### Electrical performance

<i>ITEM</i>		<b>Model: DCTR4xx</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	≤4.2	≤3.0	≤2.5	≤2.3	≤2.0	≤1.8	≤1.5
	50-550MHz	≤4.5	≤3.2	≤2.6	≤2.4	≤2.2	≤2.0	≤1.6
	550-750MHz	≤4.8	≤3.5	≤2.8	≤2.6	≤2.4	≤2.2	≤1.8
	750-1000MHz	≤5.0	≤3.8	≤3.2	≤2.8	≤2.5	≤2.3	≤2.0
<b>Reverse Isolation</b> (dB)	5-50MHz	≥24	≥24	≥25	≥26	≥26	≥28	≥28
	50-550MHz	≥24	≥24	≥25	≥26	≥26	≥28	≥28
	550-750MHz	≥22	≥24	≥25	≥26	≥26	≥28	≥28
	750-1000MHz	≥22	≥22	≥24	≥24	≥24	≥26	≥26
<b>Return Loss</b> (dB)	5-550MHz	≥16						
	550-750MHz	≥17						
	750-1000MHz	≥17						
<b>In Band Flatness</b> (dB)		±1.0						
<b>Current Capacity</b> (A)		10						
<b>Dimension</b> (mm)		180x150x80						
<b>Weight</b> (g)		600						

