

# 1.0 GHz HORIZONTAL SPLITTERS [DSxG-H-x]

Cable Products, Drop Passives

## Description

Taikan's drop splitters are designed to divide and distribute TV signals to multiple locations within the subscriber's premises.

These drop splitters are manufactured to conform to leading industry standards and cable operator approved requirements.

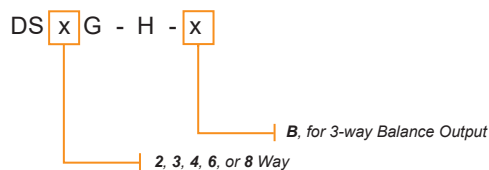
Engineered and manufactured to deliver superior intermodulation distortion and second harmonic performance, Taikan's drop splitters also offer low insertion loss and excellent return loss and isolation.



## Features

- Horizontal Port Splitters
- 5-1002 MHz Bandwidth
- Low Intermodulation Distortion and Protection Against Spikes and Ferrite Saturation
- Superior Isolation and Return Loss for Return Path
- 6 kV/200A Ring Wave Surge Withstand Capability on Output Ports
- 6 kV/3000A Combo Wave Surge Withstand Capability on Input Ports
- Beryllium Copper Round Contact Insertion Pins
- Solder Back for 120 dB RFI Shielding Effectiveness
- Tin Plated Zinc Alloy Die-cast Housing for Corrosion Resistance
- Compliant with SCTE Guidelines
- Single Tone 2nd Harmonic after Surge Testing:  $\geq 95$  dBc
- "F" Connector, SCTE Compliant IPS-SP-400
- Operation Temperature of -40 to 60 °C (-40 to 140 °F)
- Two Mounting Screws Included

## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight
DS2G-H	20 pcs	400 pcs	20 kg / 44 lbs
DS3G-H	20 pcs	400 pcs	25 kg / 55 lbs
DS3G-H-B	20 pcs	400 pcs	25 kg / 55 lbs
DS4G-H	20 pcs	400 pcs	26 kg / 57 lbs
DS6G-H	10 pcs	200 pcs	24 kg / 53 lbs
DS8G-H	10 pcs	200 pcs	24 kg / 53 lbs



**Insertion Loss (dB)**

	<b>DS2G-H</b>	<b>DS3G-H</b>	<b>DS3G-H-B</b>	<b>DS4G-H</b>	<b>DS6G-H</b>	<b>DS8G-H</b>
Frequency 5–10 MHz	3.5	3.5 / 6.8	5.5	6.8	10.0	11.0
10–500 MHz	3.7	3.7 / 7.3	5.8	7.2	10.0	11.0
500–750 MHz	3.8	3.8 / 7.5	6.0	7.5	10.5	11.5
750–1002 MHz	3.8	3.8 / 7.8	6.0	7.5	10.5	11.5

**Isolation Out to Out (dB)**

	<b>DS2G-H</b>	<b>DS3G-H</b>	<b>DS3G-H-B</b>	<b>DS4G-H</b>	<b>DS6G-H</b>	<b>DS8G-H</b>
Frequency 5–15 MHz	≥ 30	≥ 25	≥ 25	≥ 25	≥ 23	≥ 25
15–42 MHz	≥ 35	≥ 35	≥ 30	≥ 35	≥ 30	≥ 30
42–500 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25
500–750 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25
750–1002 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25

**Input/Output Return Loss (dB)**

	<b>DS2G-H</b>	<b>DS3G-H</b>	<b>DS3G-H-B</b>	<b>DS4G-H</b>	<b>DS6G-H</b>	<b>DS8G-H</b>
Frequency 5–15 MHz	≥ 22	≥ 22	≥ 22	≥ 22	≥ 20	≥ 20
15–42 MHz	≥ 23	≥ 23	≥ 23	≥ 23	≥ 23	≥ 23
42–500 MHz	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20
500–750 MHz	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20
750–1002 MHz	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20

# 1.218 GHz HORIZONTAL SPLITTERS [DSxV-H-x]

Cable Products, Drop Passives



## Description

Taikan's drop splitters are designed to divide and distribute TV signals to multiple locations within the subscriber's premises.

These drop splitters are manufactured to conform to leading industry standards and cable operator approved requirements.

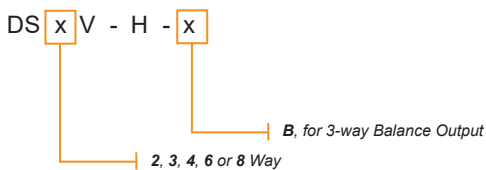
Engineered and manufactured to deliver superior intermodulation distortion and second harmonic performance, Taikan's drop splitters also offer low insertion loss and excellent return loss and isolation.



## Features

- Horizontal Port Splitters
- 5-1218 MHz Bandwidth
- Low Intermodulation Distortion and Protection Against Spikes and Ferrite Saturation
- Superior Isolation and Return Loss for Return Path
- 6 kV Ring Wave Surge Withstand Capability on Output Ports
- 6 kV Combo Wave Surge Withstand Capability on Input Ports
- Round Contact Insertion Pins Beryllium Copper
- Solder Back for 120 dB RFI Shielding Effectiveness
- Tin Plated Zinc Alloy Die-cast Housing for Corrosion Resistance
- Second Harmonic Distortion:  $\geq 95$  dB Relative to the Injected Signal
- "F" Connector, SCTE Compliant IPS-SP-400
- Operation Temperature of -40 to 60 °C (-40 to 140 °F)
- Two Mounting Screws Included
- Compliant with SCTE Guidelines

## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight
DS2V-H	20 pcs	400 pcs	20 kg / 44 lbs
DS3V-H	20 pcs	400 pcs	25 kg / 55 lbs
DS3V-H-B	20 pcs	400 pcs	25 kg / 55 lbs
DS4V-H	20 pcs	400 pcs	26 kg / 57 lbs
DS6V-H	10 pcs	200 pcs	24 kg / 53 lbs
DS8V-H	10 pcs	200 pcs	24 kg / 53 lbs



**Insertion Loss (dB)**

	<b>DS2V-H</b>	<b>DS3V-H</b>	<b>DS3V-H-B</b>	<b>DS4V-H</b>	<b>DS6V-H</b>	<b>DS8V-H</b>
5–10 MHz	3.5	3.6 / 7.0	5.5	7.6	10.0	11.0
10–65 MHz	3.7	3.6 / 7.0	5.5	7.4	10.0	10.8
65–470 MHz	3.8	3.8 / 7.2	5.8	7.4	10.0	11.0
470–862 MHz	4.0	4.0 / 7.7	6.1	7.6	10.5	11.5
862-1002 MHz	4.0	4.1 / 8.1	6.5	7.9	10.5	11.8
1002-1218 MHz	4.2	4.3 / 8.5	7.0	8.5	11.0	12.7

**Isolation Out to Out (dB)**

	<b>DS2V-H</b>	<b>DS3V-H</b>	<b>DS3V-H-B</b>	<b>DS4V-H</b>	<b>DS6V-H</b>	<b>DS8V-H</b>
5–10 MHz	25	25	25	25	25	25
10–65 MHz	35	32	33	35	30	31
65–470 MHz	28	28	27	28	27	27
470–862 MHz	25	25	23	25	23	23
862-1002 MHz	24	24	23	24	22	22
1002-1218 MHz	22	22	22	22	22	22

**Input Return Loss (dB)**

	<b>DS2V-H</b>	<b>DS3V-H</b>	<b>DS3V-H-B</b>	<b>DS4V-H</b>	<b>DS6V-H</b>	<b>DS8V-H</b>
5–10 MHz	20	20	20	20	20	20
10–65 MHz	23	23	23	23	23	23
65-1002 MHz	20	20	20	20	20	20
1002-1218 MHz	16	16	16	16	16	16

**Output Return Loss (dB)**

	<b>DS2V-H</b>	<b>DS3V-H</b>	<b>DS3V-H-B</b>	<b>DS4V-H</b>	<b>DS6V-H</b>	<b>DS8V-H</b>
5–10 MHz	20	20	20	20	20	20
10–65 MHz	23	23	23	23	23	23
65–1002 MHz	20	20	20	20	20	20
1002–1218 MHz	16	16	16	16	16	16

# 1.0 GHz VERTICAL SPLITTERS [DSxG-V-x]

Cable Products, Drop Passives

## Description

Taikan's drop splitters are designed to divide and distribute TV signals to multiple locations within the subscriber's premises.

These drop splitters are manufactured to conform to leading industry standards and cable operator approved requirements.

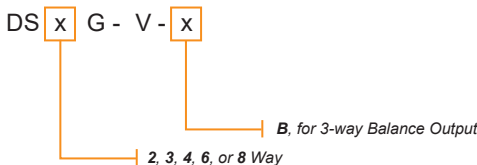
Engineered and manufactured to deliver superior intermodulation distortion and second harmonic performance, Taikan's drop splitters also offer low insertion loss and excellent return loss and isolation.



## Features

- Vertical Port Splitters
- 5-1002 MHz Bandwidth
- Low Intermodulation Distortion and Protection Against Spikes and Ferrite Saturation
- Superior Isolation and Return Loss for Return Path
- 6 kV/200A Ring Wave Surge Withstand Capability on Output Ports
- 6 kV/3000A Combo Wave Surge Withstand Capability on Input Ports
- Beryllium Copper Round Contact Insertion Pins
- Solder Back for 120 dB RFI Shielding Effectiveness
- Tin Plated Zinc Alloy Die-cast Housing for Corrosion Resistance
- Compliant with SCTE Guidelines
- Single Tone 2nd Harmonic after Surge Testing:  $\geq 95$  dBc
- "F" Connector, SCTE Compliant IPS-SP-400
- Operation Temperature of -40 to 60 °C (-40 to 140 °F)
- Two Mounting Screws Included

## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight
<b>DS2G-V</b>	20 pcs	400 pcs	25 kg / 49 lbs
<b>DS3G-V</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS3G-V-B</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS4G-V</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS6G-V</b>	10 pcs	100 pcs	16 kg / 35 lbs
<b>DS8G-V</b>	10 pcs	100 pcs	16 kg / 35 lbs

**Insertion Loss (dB)**

	<b>DS2G-V</b>	<b>DS3G-V</b>	<b>DS3G-V-B</b>	<b>DS4G-V</b>	<b>DS6G-V</b>	<b>DS8G-V</b>
5–10 MHz	3.5	3.5/6.8	5.5	6.8	11.0	11.0
10–500 MHz	3.7	3.7/7.3	5.8	7.2	11.0	11.0
500–750 MHz	3.8	3.8/7.5	6.0	7.5	11.5	11.5
750–1002 MHz	3.8	3.8/7.8	6.0	7.5	12.0	11.5

**Isolation Out to Out (dB)**

	<b>DS2G-V</b>	<b>DS3G-V</b>	<b>DS3G-V-B</b>	<b>DS4G-V</b>	<b>DS6G-V</b>	<b>DS8G-V</b>
5–15 MHz	≥ 30	≥ 25	≥ 25	≥ 25	≥ 20	≥ 25
15–42 MHz	≥ 35	≥ 35	≥ 30	≥ 35	≥ 25	≥ 30
42–500 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25
500–750 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 20	≥ 25
750–1002 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 20	≥ 25

**Input/Output Return Loss (dB)**

	<b>DS2G-V</b>	<b>DS3G-V</b>	<b>DS3G-V-B</b>	<b>DS4G-V</b>	<b>DS6G-V</b>	<b>DS8G-V</b>
5–15 MHz	≥ 22	≥ 22	≥ 22	≥ 22	≥ 16	≥ 22
15–42 MHz	≥ 25	≥ 25	≥ 25	≥ 25	≥ 18	≥ 25
42–500 MHz	≥ 22	≥ 22	≥ 22	≥ 22	≥ 18	≥ 22
500–750 MHz	≥ 22	≥ 22	≥ 22	≥ 22	≥ 16	≥ 22
750–1002 MHz	≥ 22	≥ 22	≥ 22	≥ 22	≥ 16	≥ 22

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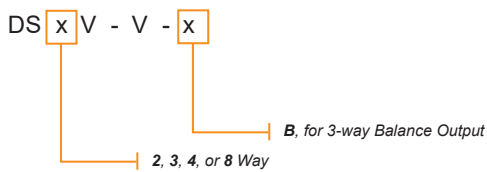


## Features

- Vertical Port Splitters
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**Insertion Loss (dB)**

	<b>DS2V-V</b>	<b>DS3V-V</b>	<b>DS3V-V-B</b>	<b>DS4V-V</b>	<b>DS8V-V</b>
Frequency 5-400 MHz	3.6	3.6 / 7.2	6.1	7.2	11.2
400-600 MHz	4.0	4.0 / 7.8	6.5	7.8	12.0
600-1002 MHz	4.4	4.4 / 8.8	7.0	8.8	12.5
1002-1218 MHz	4.8	4.8 / 9.2	7.5	9.2	13.0

**Isolation Out to Out (dB)**

	<b>DS2V-V</b>	<b>DS3V-V</b>	<b>DS3V-V-B</b>	<b>DS4V-V</b>	<b>DS8V-V</b>
Frequency 5-10 MHz	22	22	22	22	22
10-65 MHz	30	30	30	30	30
65-870 MHz	25	25	25	25	25
870-1002 MHz	22	22	22	22	22
1002-1218 MHz	20	20	20	20	20

**Input Return Loss (dB)**

	<b>DS2V-V</b>	<b>DS3V-V</b>	<b>DS3V-V-B</b>	<b>DS4V-V</b>	<b>DS8V-V</b>
Frequency 5-10 MHz	20	20	20	20	20
10-65 MHz	20	20	20	20	20
65-1002 MHz	20	20	20	20	20
1002-1218 MHz	18	18	18	18	18

**Output Return Loss (dB)**

	<b>DS2V-V</b>	<b>DS3V-V</b>	<b>DS3V-V-B</b>	<b>DS4V-V</b>	<b>DS8V-V</b>
Frequency 5-10 MHz	20	20	20	20	20
10-65 MHz	20	20	20	20	20
65-1002 MHz	20	20	20	20	20
1002-1218 MHz	18	18	18	18	18