

# VERTICAL SPLITTERS [DSxGV]

Cable Products, Drop Passives



## Description

Taikan's vertical 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

- 5-1002 MHz Bandwidth
- Vertical Port Splitters
- 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
- Compliant with SCTE Guidelines
- 2nd Harmonics: Typical -55 dBmV, Min -45 dBmV
- "F" Connector, SCTE Compliant IPS-SP-400
- Operation Temperature of -40 to 60 °C (-40 TO 140 °F)

## Ordering Information

DS x G x V

B, for 3-way Balance Output  
2, 3, 4, 6, or 8 Way

Model Number	Inner Box	Standard Carton	Carton Weight
<b>DS2GV</b>	20 pcs	400 pcs	25 kg / 49 lbs
<b>DS3GV</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS3GBV</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS4GV</b>	20 pcs	400 pcs	25 kg / 55 lbs
<b>DS6GV</b>	10 pcs	150 pcs	22 kg / 48 lbs
<b>DS8GV</b>	10 pcs	150 pcs	22 kg / 48 lbs



**Insertion Loss (dB)**

	<b>DS2GV</b>	<b>DS3GV</b>	<b>DS3GBV</b>	<b>DS4GV</b>	<b>DS6GV</b>	<b>DS8GV</b>
5–10 MHz	3.4	3.3/6.8	5.2	6.8	10.0	10.5
11–500 MHz	3.5	3.4/7.0	5.6	7.0	11.0	11.0
501–750 MHz	3.6	3.6/7.5	6.2	7.5	11.5	11.5
751–1002 MHz	4.0	4.0/8.0	6.8	8.0	12.0	12.0

**Input Return Loss (dB)**

	<b>DS2GV</b>	<b>DS3GV</b>	<b>DS3GBV</b>	<b>DS4GV</b>	<b>DS6GV</b>	<b>DS8GV</b>
5–15 MHz	20	20	20	20	16	16
16–42 MHz	25	25	25	25	18	18
43–500 MHz	20	20	20	20	18	18
501–750 MHz	20	20	20	20	16	16
751–1002 MHz	20	20	20	20	16	16

**Output Return Loss (dB)**

	<b>DS2GV</b>	<b>DS3GV</b>	<b>DS3GBV</b>	<b>DS4GV</b>	<b>DS6GV</b>	<b>DS8GV</b>
5–15 MHz	20	20	20	20	16	16
16–42 MHz	30	30	30	30	18	18
43–500 MHz	20	20	20	20	18	18
501–750 MHz	20	20	20	20	16	16
751–1002 MHz	20	20	20	20	16	16

**Isolation Out to Out (dB)**

	<b>DS2GV</b>	<b>DS3GV</b>	<b>DS3GBV</b>	<b>DS4GV</b>	<b>DS6GV</b>	<b>DS8GV</b>
5–15 MHz	20	20	20	20	20	20
16–42 MHz	35	35	35	35	25	25
43–500 MHz	23	23	23	23	25	25
501–750 MHz	20	20	20	20	20	20
751–1002 MHz	20	20	20	20	20	20