

# Get The Clear Picture on VS1 Series Splitters



## Designed for Bandwidths up to 1 GigaHertz

The new VS1 GigaHertz RF splitters from Greenlee are designed for digital broadcast television, digital cable television, off-air antennas and RF distribution. Internal impedance matching distributes 75-ohms evenly to all outputs for maximum signal strength and a vivid picture. DC passive to one port, the VS1 is compatible for devices

requiring DC power, such as amplified antennas and DBS dishes. Printed circuit board construction provides precise signal transfer and minimal insertion loss. Nickel-plated, zinc die-cast housing with precision, machined ports ensure 120dB isolation against RF leakage. Complete with mounting hardware.

## PRODUCT FEATURES

- **Bandwidth** - 5 MHz to 1 GHz.
- **Power Passive Port** - designed to pass RF and DC power from one input to one output.
- **Nickel-plated, zinc die-cast housing** for excellent anti-corrosive protection.
- **100% solder-sealed tin backplate** provides EMI/RFI shielding > -120dB.
- **Low insertion loss.**
- **Printed circuit board construction** ensures consistent RF performance and excellent port-to-port isolation.
- **Precision machine threaded "F" ports** for perfect connector fit.
- **F-Ports spaced at 1" on center** to allow application of security sleeves and window filters.
- **F-Ports comply** with SCTE outdoor standards.

### ACCESSORIES

Mounting screws included

We recommend the use of Greenlee #45326 75-Ohm terminators on all signal outputs of a splitter that are not connected to a television or VCR. Un-terminated outputs are known to diminish performance of the video system by causing a 'herringbone' pattern (those slow moving, wavy lines that drive you crazy) on some channels of the other sets connected to the splitter.

## SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	FREQUENCY - RANGE (MHZ)	VS1-2, 2-WAY	VS1-3, 3-WAY	VS1-4, 4-WAY
Insertion Loss In-Out (max dB)	47-470	4.0	4.1-7.8	8.0
	470-750	4.3	4.3/8.2	8.5
	750-1000	4.5	4.5/8.5	8.5
Return Loss In (min dB)	5-47	15.0	15.0	15.0
	47-470	16.0	17.0	17.0
	470-750	15.0	15.0	15.0
	750-1000	15.0	15.0	15.0
Return Loss Out (min dB)	5-47	15.0	15.0	15.0
	47-470	16.0	17.0	17.0
	470-750	15.0	15.0	15.0
	750-1000	15.0	15.0	15.0
Isolation Out-Out (min dB)	5-47	20.0	20.0	20.0
	47-470	21.0	21.0	21.0
	470-750	20.0	20.0	20.0
	750-1000	20.0	20.0	20.0

LENGTH:	2.3" (58mm)	3.0" (76mm)	3.0" (76mm)
WIDTH:	1.9" (48mm)	1.9" (48mm)	109" (48mm)
HEIGHT:	0.6" (15mm)	0.6" (15mm)	0.6" (15mm)
HOUSING:	Nickel Plated Zinc Die Cast		
RF CONNECTOR	F-Type Female 75OHM		

## ORDERING INFORMATION

CAT	UPC	DESCRIPTION	QTY
VS1-2	46241	2-Way 1 GHz Splitter	1
VS1-3	46242	3-Way 1 GHz Splitter	1
VS1-4	46243	4-Way 1 GHz Splitter	1
45326	45326	F-Terminator, 75 ohm	10

### DISTRIBUTED BY



USA 800-435-0786 Fax: 800-451-2632  
 815-397-7070 Fax: 815-397-1865  
 Canada 800-435-0786 Fax: 800-524-2853  
 International +1-815-397-7070 Fax: +1-815-397-9247

4455 Boeing Drive • Rockford, IL 61109-2988 • USA • 815-397-7070  
 ©2004 Greenlee Textron Inc. • An ISO 9001 Company • Printed in USA  
 Greenlee Textron Inc. is a subsidiary of Textron Inc.

[www.greenlee.com](http://www.greenlee.com)

MA-4563 6/04