



# SVXDGR Vertical Port Splitters

1GHz Vertical Splitters



The RMS SV23468DGR vertical passives are ideal for applications where the input and output connections need to be addressed from the front. Also perfect for MDU and headend applications.

## Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-120dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Laminated ID label that will not fade
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined "F" ports that are SCTE compliant
- Each unit is individually packaged with mounting screws
- 100% quality control at our factory
- Dual flush mounting tabs for easy installation
- Integrated heavy duty grounding screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Concave solder back design assures 100% sealing of back plate to the housing and prevents pinholes
- Excellent insertion loss, isolation (port/port) & return loss (input/output)
- Available in 2-way, 3-way, 4-way, 6-way & 8-way configurations.
- CE approved

RMS Communications Inc

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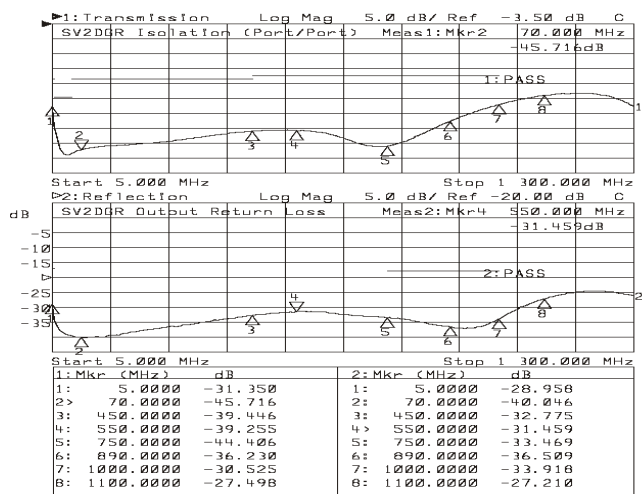
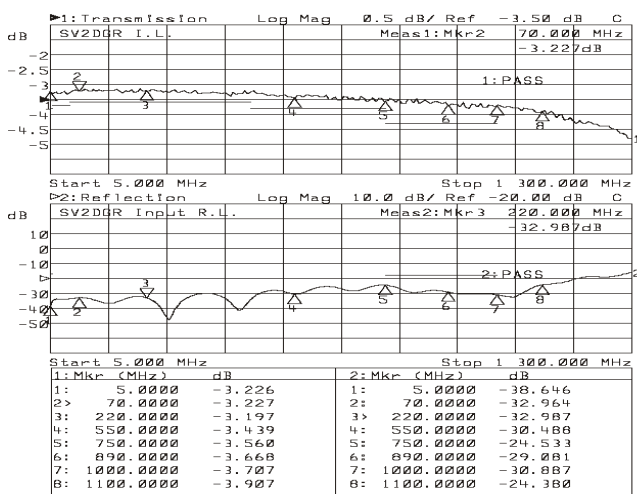
# SVDGR Series

## 1GHz Vertical Splitters

### Specifications Vertical Port Splitters.

Parameter	Freq (MHz)	SV2DGR		SV3DGR		SV4DGR		SV6DGR		SV8DGR	
		QA	Typical	QA	Typical	QA	Typical	QA	Typical	QA	Typical
Insertion Loss (Max dB)	5-15	3.5	3.3	5.8	5.5	7.0	6.8	9.2	9.0	11.0	10.8
	16-40	3.5	3.3	5.8	5.5	7.2	6.8	9.2	9.0	11.0	10.8
	41-200	3.6	3.3	5.8	5.5	7.2	6.8	9.4	9.2	11.0	10.8
	201-550	3.7	3.5	6.0	5.8	7.4	7.0	9.6	9.4	11.2	11.0
	551-750	3.8	3.7	6.2	6.0	7.6	7.2	9.8	9.6	11.8	11.5
Isolation (Min dB)	5-15	24	30	24	30	24	30	24	28	24	28
	16-40	35	40	30	36	35	40	30	36	30	36
	41-200	30	38	28	30	28	35	25	28	28	32
	201-550	25	35	22	25	25	30	23	26	25	28
	551-750	25	30	22	25	25	30	22	24	25	28
Return Loss (Input) (Min dB)	5-15	22	25	22	28	20	22	20	22	22	25
	16-40	25	30	22	30	20	22	20	22	22	30
	41-200	23	30	22	30	20	25	20	22	22	28
	201-550	20	28	20	25	20	25	20	22	20	25
	551-750	20	25	20	25	20	24	20	20	20	25
Return Loss (Output) (Min dB)	5-15	22	28	20	25	20	25	20	22	20	22
	16-40	30	40	26	35	30	38	26	35	26	35
	41-200	25	38	22	33	24	30	24	30	24	30
	201-550	22	28	20	25	20	25	20	28	20	28
	551-750	20	25	20	25	20	24	20	24	20	24
RFI (Min dB)	5-1000MHz	<-----	-----	-----	-----	>-120	-----	-----	-----	-----	----->
Spurious signals including		-45dBmV after 6KV ring wave surge									
2nd harmonics		Measuring with a 55dBmV return input carrier									
Surge Protection		6KV Ring Wave Surge, IEEE C62.41 Cat A3									
Water Proof Test (min)		10psi									
Impedance		75ohm									

## Typical Plots



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