



Art.No. 10100002

## Standard article

This article is available from stock, barring to unforeseen circumstances

Brilliant-Line ++

## SB-33++

3-way splitter/unb.  
3-way splitter, unbalanced



SB-33++ front

	Port	Range	Min.	Typical	Max. Unit	Rem.	Margin
Frequency Range	-	-	5		1000 MHz		
Equipment Approval				CE			
Insertion Loss	In -> Out 1	5 MHz < F < 10 MHz	3,2	3,5	3,8 dB		+/-0
		10 MHz < F < 470 MHz	3,1	3,4	3,7 dB		+/-0,1
		470 MHz < F < 862 MHz	3,3	3,7	4,1 dB		+/-0,2
		862 MHz < F < 1000 MHz	3,7	4,1	4,5 dB		+/-0,2
	In -> Out 2-3	5 MHz < F < 10 MHz	6,1	6,6	7,1 dB		+/-0
		10 MHz < F < 470 MHz	6,1	6,6	7,1 dB		+/-0,1
		470 MHz < F < 862 MHz	6,2	6,9	7,6 dB		+/-0,1
		862 MHz < F < 1000 MHz	6,6	7,3	8,0 dB		+/-0,2
Return Loss	In	5 MHz < F < 10 MHz	20		dB		-2
		10 MHz < F < 40 MHz	22		dB		-2
		40 MHz < F < 862 MHz	22		dB	1	-1
		862 MHz < F < 1000 MHz	14		dB		-1
	Out	5 MHz < F < 10 MHz	20		dB		-2
		10 MHz < F < 40 MHz	22		dB		-2
		40 MHz < F < 862 MHz	22		dB	1	-1
		862 MHz < F < 1000 MHz	14		dB		-1
Isolation	Out 2 -> Out 3	5 MHz < F < 40 MHz	22		dB		+/-0
		40 MHz < F < 862 MHz	22		dB	1	-1
		862 MHz < F < 1000 MHz	14		dB		+/-0
	Out 1 -> Out 2 & Out1->Out3	5 MHz < F < 10 MHz	22		dB		+/-0
		10 MHz < F < 40 MHz	26		dB		-1
		40 MHz < F < 862 MHz	26		dB	1	+/-0
		862 MHz < F < 1000 MHz	16		dB	+/-0	
Screening Effectiveness	-	5 MHz < F < 300 MHz	85	95	dB	2	
		300 MHz < F < 470 MHz	80	90	dB	2	
		470 MHz < F < 1000 MHz	75	85	dB	2	
Intermodulation p+q (min)	-	No surge			-122 dB	5	
		25 V surge			-115 dB	4	
		1 KV surge			-105 dB	3	

### Remarks:

- F > 40 MHz -1.5 dB/oct
- Transfer Impedance Method according IEC 60728-2(5-30 MHz)  
Absorbion clamp method according IEC-60728-2 § 4.4 (30-1000 MHz)
- Two carriers (50 & 55MHz),out to in, @ 120dBµV, after 1 pulse 1KV (IEC 1000-4-5 level 2) at all ports
- Two carriers (50 & 55MHz),out to in, @ 120dBµV, after 10 pulses (25V/1,2µS rise time/500µS duration) at all ports
- Two carriers (50 & 55MHz),out to in, @ 120dBµV, before surge

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