

## 4-way splitter

## FS-04

## Features:

- Cenelec Class A screening effectiveness
- Good insertion- and return loss performance
- Robust zinc die-cast housing with nickel plating
- Housing has top sided ports
- C-strap accepts 0.51-1.30 mm test gauges
- Tongue and groove back cover



## Description

The Fetec-series is a low cost series of wideband splitters and taps with more than satisfactory specifications according to our high standard. Frequency ranges are up to 1 GHz while insertion- and return loss stay well within the specifications. The housings of these models have top sided F-connectors with C-strap inner spring construction able to accept 0.51-1.30 mm test gauges. The back-cover has a tongue and groove system for a screening effectiveness far exceeding the Class A specifications.

## Specifications

V1 mrt 23, 2000

	Port	Range	Min	Typical	Max	Units	Remark	Margin
Frequency Range	In		5	F-female	1000	MHz		
Connectors	Out			F-female				
Dimensions	Outline	L x H x D		85x42x29		mm		
Equipment Approval				CE				

## Ordering Information

FS-04	4-way splitter	Article number:	10390004
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	Port	Range	Min	Typical	Max	Units	Remark	Margin
<b>Insertion Loss</b>	In -> Out	5 MHz < F < 10 MHz	6.6	6.9	7.2	dB		
		10 MHz < F < 47 MHz	6.6	6.9	7.2	dB		
		47 MHz < F < 450 MHz	6.7	7.0	7.3	dB		
		450 MHz < F < 750 MHz	7.2	7.5	7.8	dB		
		750 MHz < F < 1000 MHz	7.7	8.0	8.3	dB		
<b>Return Loss</b>	In	5 MHz < F < 10 MHz	18			dB		
		10 MHz < F < 47 MHz	18			dB		
		47 MHz < F < 450 MHz	20			dB		
		450 MHz < F < 750 MHz	20			dB		
		750 MHz < F < 1000 MHz	18			dB		
	Out	5 MHz < F < 10 MHz	18			dB		
		10 MHz < F < 47 MHz	18			dB		
		47 MHz < F < 450 MHz	20			dB		
		450 MHz < F < 750 MHz	20			dB		
		750 MHz < F < 1000 MHz	18			dB		
<b>Isolation</b>	Out -> Out	5 MHz < F < 10 MHz	25			dB		
		10 MHz < F < 47 MHz	25			dB		
		47 MHz < F < 450 MHz	24			dB		
		450 MHz < F < 750 MHz	23			dB		
		750 MHz < F < 1000 MHz	21			dB		
<b>Screening Effectiveness</b>	-	5 MHz < F < 300 MHz	85	95		dB	1	
		300 MHz < F < 470 MHz	80	90		dB	1	
		470 MHz < F < 1000 MHz	75	85		dB	1	

### Remarks

1	Transfer impedance method according IEC 60728-2 (5-30 MHz) Absorbion clamp method according IEC-60728-2 § 4.4 (30-1000 MHz)
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