

## AFC 1641 - 4 way tap

Art. Number 343136



### AFC 1641 - 4 way tap

TRIAX tap with excellent performance for CATV with DOCSIS 2.0/3.0/3.1

- Frequency range 5-1200 MHz
- High shielding
- Return loss Grade 2
- High quality die cast housing CuSn coated
- Acc. to EN 50083-2 & EN 60728-4

## Technical Specifications

### ORDER INFORMATION

EAN Number 5702663431362

### SHIELDING

Shielding efficiency VHF/UHF | dB > 110 dB

### FREQUENCY RANGE

Frequency range | MHz 5...1218 MHz

### LOSS

Tap loss (in-tap) 5-40 MHz   dB	16.5 +- 1 dB
Tap loss (in-tap) 40-470 MHz   dB	16.5 +- 1 dB
Tap loss (in-tap) 470-860 MHz   dB	16.5 +- 1 dB
Tap loss (in-tap) 860-1000 MHz   dB	16.5 +- 1.2 dB
Tap loss (in-tap) 1000-1200 MHz   dB	16.5 +- 2 dB
Insertion loss (in-out) 5-40 Mhz   dB	2.5 +-0.5 dB
Insertion loss (in-out) 40-470 MHz   dB	2.5 +-0.5 dB
Insertion loss (in-out) 470-860 MHz   dB	3.0 +-0.6 dB
Insertion loss (in-out) 860-1000 MHz   dB	3.0 +- 0.7 dB
Insertion loss (in-out) 1000-1200 MHz   dB	3.0 +-1.5 dB



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### ISOLATION

Isolation (tap-tap) 5-40 MHz   dB	40 dB
Isolation (out-tap) 5-40 MHz   dB	32 dB
Isolation (tap-tap) 40-470 MHz   dB	40 dB
Isolation (out-tap) 40-470 MHz   dB	28 dB
Isolation (tap-tap) 470-860 MHz   dB	36 dB
Isolation (out-tap) 470-860 MHz   dB	26 dB
Isolation (tap-tap) 860-1000 MHz   dB	30 dB
Isolation (out-tap) 860-1000 MHz   dB	25 dB
Isolation (out-tap) 1000-1200 MHz   dB	25 dB
Isolation (tap-tap) 1000-1200 MHz   dB	30 dB

### RETURN LOSS

Return loss (in-out) 5-40 MHz   dB	20 dB
Return loss (tap) 5-40 MHz   dB	20 dB
Return loss (in-out) 40-470 MHz   dB	18 dB
Return loss (tap) 40-470 MHz   dB	18 dB
Return loss (in-out) 470-860 MHz   dB	16 dB
Return loss (tap) 470-860 MHz   dB	16 dB
Return loss (in-out) 860-1000 MHz   dB	16 dB
Return loss (tap) 860-1000 MHz   dB	16 dB
Return loss (in-out) 1000-1200 MHz   dB	12 dB
Return loss (tap) 1000-1200 MHz   dB	12 dB

### ELECTRICAL

Impedance   $\Omega$	75 $\Omega$
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### OPERATIONAL

Application	CATV +DOCSIS
Screening Efficiency	EN50083-2 (Class A)
DOCSIS	3.1
DC Passthrough	NO - DC blocked at inner conductor
Certification	IEC 60 728-2, IEC 60 728-4, IEC 60 728-11
Environment	Indoor

### CONNECTORS

Number of inputs	1
Number of outputs	1
Number of taps	4

### MECHANICAL

Main material	Zinc diecast/CuSn plated
Packing QTY	1
Product Height   mm	60.9 mm



## Technical Specifications

Product Width   mm	91 mm
Product Depth   mm	40.3 mm
Packaging Height   m	0.060 m
Packaging Width   m	0.090 m
Packaging Depth   m	0.040 m
Packaging Volume   m <sup>3</sup>	0.000 m <sup>3</sup>
Net Weight   kg	0.200 kg
Tara Weight   kg	0.010 kg
Total Weight   kg	0.210 kg