

906 TAP-OFFS AND SPLITTERS

TAP-OFF IF 4 OUT 24 DB EQUALISED



Code : **9060039**

Model : **FD-419**

Description

Equalised tap-offs for terrestrial and satellite TV with four tap outputs which cover the 5 to 2,400 MHz frequencies. They distribute part of the input signal to their tap outputs and the main part of the signal continues to the output. The equalisation of the tap outputs compensates the losses of the coaxial cable. Available in different tap-off attenuation values.

Applications

SMATV installations with a tree-shaped distribution. The tree-shaped distribution reduces the number of distribution elements, and reduces the metres of coaxial cable to be installed, even though the headend to outlet distances remain constant. For installation in buildings with many floors due to the low through loss of the tap-offs.

Characteristics

Voltage blockage in the tap-offs. Shielded zamak chassis and metal plate. Connectors on the lower part to facilitate the connections. Reduced dimensions. Fits in a 100x100 mm box.

CODE		9060054	9060038	9060039	9060040	
MODEL		FD-410	FD-413	FD-419	FD-425	
Connection		F female				
Outputs		4				
Frequency range		5 - 2400				
Tap loss ①	dB ±1.0	5-47 MHz	27.0-25.5	28.0	33.0	36.0
		47-230 MHz	25.5-22.5	28.0-26.0	33.0-31.0	36.0-34.5
		470-862 MHz	18.8-15.0	22.5-18.5	28.0-24.0	32.5-30.0
		950-2150 MHz	14.5-10.2	18.0-13.5	23.5-18.5	30.0-25.5
		2150-2400 MHz	10.2-9.7	13.5	18.5-17.5	25.5-25.0
Flatness response		±1.0				
Through loss ②	dB ±0.5	5-47 MHz	1.5-1.7	1.0	0.5	0.5
		47-230 MHz	1.7-1.8	1.0-1.3	0.5-0.8	0.5-0.6
		470-862 MHz	2.1-2.7	1.5-2.0	0.9-1.0	0.7-0.9
		950-2150 MHz	2.9-4.7	2.0-3.0	1.2-1.8	0.9-1.3
		2150-2400 MHz	4.7-5.0	3.0-3.5	1.8-2.0	1.3-1.5
Directivity ④	dB	5-47 MHz	>0	>0	>0	>0
		47-862 MHz	>0-6	>0-6	>0-6	>0-5
		950-2150 MHz	>6	>6	>6	>5-7
		2150-2400 MHz	>7	>6	>6	>7
Isolation ⑤	dB	5-47 MHz	>45	>50	>60	>60
		47-862 MHz	>35	>40	>55	>60
		950-2150 MHz	>30	>32	>45	>45
		2150-2400 MHz	>30	>32	>40	>40
Return loss	dB	5-47 MHz	>15	>15	>17	>18
		47-862 MHz	>15	>16	>18	>18
		950-2150 MHz	>13	>16	>17	>17
		2150-2400 MHz	>13	>16	>15	>16
Units per packing		6				
Packing weight		Kg 0.45				
Packing dimensions		mm 155 x 95 x 40				