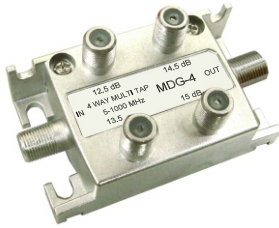




## 1 GHz CATV Indoor Low Distortion 4/ 6 / 8 Way Multi-Tap



MDG-4



MDG-6



MDG-8

### Features :

- Excellent inter-modulation performance for cable modem application
- High quality full band taps
- Step attenuation for tap-loss design (not equal tap attenuation)
- Grounding port provided
- RFI shielding and zinc alloy die-casting case with CuSn plated

### Specifications :

Description		Freq. Range (MHz)	MDG-4	MDG-6	MDG-8
Tap Loss	In- Tap 1	5 ~ 1000	12.5 1 dB	12.5 1 dB	12.5 1 dB
	In- Tap 2		13.5 1 dB	13.5 1 dB	13.5 1 dB
	In- Tap 3		14.5 1 dB	14.5 1 dB	14.5 1 dB
	In- Tap 4		15 1 dB	15.5 1 dB	15 1 dB
	In- Tap 5		-	16.5 1 dB	16 1 dB
	In- Tap 6		-	17 1 dB	17 1 dB
	In- Tap 7		-	-	18 1 dB
	In- Tap 8		-	-	19 1 dB
Insertion Loss	In - Out	5 ~ 40	3.8 0.8 dB	5.1 1 dB	6.8 1 dB
		40 ~ 862	3.8 0.8 dB	5.1 1 dB	6.8 1 dB
		862 ~ 1000	4 0.8 dB	5.6 1 dB	7.5 1 dB
Isolation	Out - Tap	5 ~ 40	30 dB min.		
		40 ~ 470	30 dB min.		
		470 ~ 1000	26 dB min.		
	Tap - Tap	5 ~ 40	40 dB min.		
		40 ~ 470	40 dB min.		
		470 ~ 862	36 dB min.		
Return Loss	All ports	5 ~ 40	18 dB min.		
		40 ~ 1000	20 dB *		
Screening	(according to EN50083-2)		class A		
Harmonic Distortion **			-120 dB min.		
Impedance			75		
Connector			"F" Female		
Dimensions (with connectors, mm)			79 x 43.5 x 35	122 x 43.5 x 36	122 x 43.5 x 36
Net Weight			125 g	190 g	195 g

\* at 40MHz -1.5 dB/oct.

\*\* Measured at Input, with test signals applied at Output @118dBuV; Test signal 2 tone: P@50 MHz , Q@55 MHz, before surge hit. Specifications are subject to change without notice.