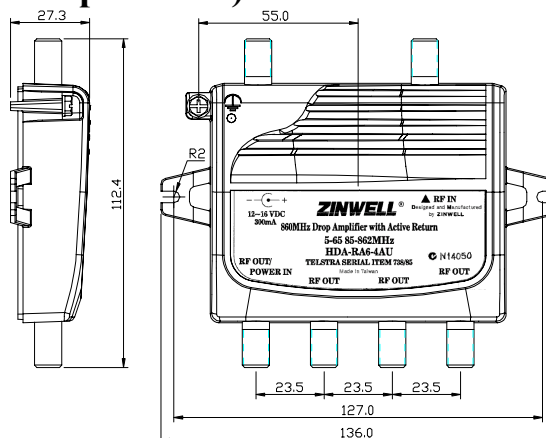


4-Way Drop Amplifier with Active Return (Band Split 65/84)

Customer	ZINWELL-Australia
Customer Model	HDA-RA6-4AU
Zinwell Model	HDA-RA6-4AU-N



Mechanical Specification

1	Housing	Material : Zinc Die-casting	Finishing : CuSn Plated
2	Connector	"F" Female	
3	Net Weight	430 g (w/o Adapter)	

Electrical Specification

Item	Description		Forward AMP. 4 Out		Active Return	
1	Frequency Range		85 ~ 862 MHz		5 ~ 65 MHz	
2	Gain		0 ~ 2 dB (with 5 dB pad) 7 dB (with 0 dB pad)		3.5 dB typ. 2 dB min.	
3	Isolation		24 dB min.		24 dB typ. 20 dB min.	
4	Return Loss		18 dB typ. 16 dB min.		18 dB typ. 14 dB min.	
5	Flatness	85 ~ 860 MHz	± 1 dB		± 0.8 dB (5 ~ 65 MHz)	
		88 ~ 860 MHz	± 0.5 dB			
6	Noise Figure *1		4 dB max.		13 dB max. *4	
7	Input Level		5 ~ 17 dBmV (with 5 dB pad, @-60 dBc) 0 ~ 12 dBmV (with 0 dB pad, @-60 dBc)		0 ~ 52 dBmV	
8	Output Level *2		11 dBmV @ 85 MHz 16 dBmV @ 750 MHz		56 dBmV 1 ch	56 dBmV 2 chs
	Channel Loading		64 chs. PAL			
	Distortion **	CSO	-63 dBc		-	
		CTB	-78 dBc		-	
		X-MOD	-78 dBc		-	
	Output Distortion		-	-	56 dBc	52 dBc
9	Group Delay		< 20 ns @ 4.5 MHz bandwidth		< 20 ns @1.5 MHz bandwidth	
10	Power Source		12 ~ 16 Vdc 300 mA From power supply or remote powering			
11	Current Consumption		250 mA max.			
12	Screening		class B (accroding to EN50083-2)			
13	HUM Modulation		better than 70 dB			
14	Surge Protection		6 KV (all ports) ring wave			
15	Operating Temperation		-10 ~ 60 °C			
16	Impedance		75 Ω			

*1. Measured with 0 dB pad.

*2. Measured with CW carriers, signal analyzer and spectrum analyzer. References the worst case channel.

*3. Including 7 dB 4-way splitter loss.

Approved by Customer	Drawing 何 01.5.22 若語	Checked J Q.	Approved S J
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