



## DA55-1 series

**Distribution Amplifier****Features:**

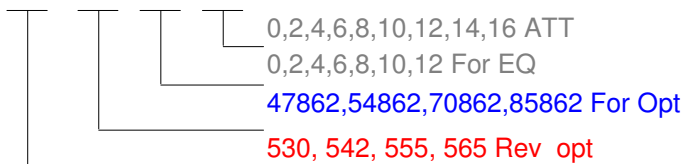
- Aluminum and Magnesium Alloy Housing
- Excellent heat emission and waterproof
- Surge withstand 6kV voltage
- Modular Equalizer and Attenuator plugs
- Gain and slope automatic equalization
- Remote power supply
- Overload and short circuit protection
- GaAs Module with small nonlinear distortion
- Surface mounting and reliable performance

**Taikan** is pleased to introduce our mainline extending distribution amplifier, DA55-1 series. The distribution amplifier is ideal for CATV two way transmission network. One output amplifier.

**Ordering Information:**

DA55-1

(note can select either ATT or EQ)

**Reverse Option Chart**

530: 5-30 MHz

542: 5-42 MHz

555: 5-55 MHz

565: 5-65 MHz

**Forward Option Chart**

47862: 47-862 MHz

54862: 54-862 MHz

70862: 70-862 MHz

85862: 85-862 MHz

Standard Carton Qty	1	pcs
Dimension	250x210x110 mm / 9.84x8.27x4.33 inch	LxWxH
Weight	3 kg / 6 lbs	

## Specifications:

Parameter	Reverse	Forward	Unit	Note
Frequency	5-30/42/55/65	47/54/70/85-862	MHz	Optional
Nominal gain	18/20	28/34	dB	HF/LF
Gain stabilization	$\pm 0.5$	Automatic thermal compensation	dB	
Slope stabilization	$\pm 0.5$	Automatic thermal compensation	dB	
Nominal input level	80	70	dB	
Nominal output level	98/100	98/104	dB	HF/LF
Flatness	$\pm 0.75$	$\pm 0.75$	dB	
Composite second order	-66	-68	dBc	
Composite triple beat	-68	-68	dBc	
Composite intermodulation	-66	-68	dBc	
AC modulation	-66	-66	dBc	
Noise figure	8 max	8 max	dB	
Forward EQ	Plug-in	0,2,4,6,8,10,12	dB	
Reverse slope		2	dB	
ATT	Plug-in	0,2,4,6,8,10,12,14,16	dB	
Return loss		14 (min)	dB	
Test port attenuation		$-20 \pm 2$	dB	
Feed-in current		10	A	
Surge withstand	combo wave	6kV/3kA 1.2/50 $\mu$ s-8/20 $\mu$ s	kV	
Power voltage		40-90VAC or 220VAC 47-63Hz	V	
Power consumption		32	VA	

- Specifications subject to change without notice. v8.00



Internal Circuitry



Passband selection  
modules for Return and  
Forward band



Equalizer Plug In  
Attenuator Plug in