

OFA-UTA-002 Unidirectional Trunk Amplifiers

MODEL: OFA-UTA-002



Specifications

1GHz working platform, high output, low distortion, excellent flatness in band Using high quality NXP or NEC module, make sure good C/N,C/CSO,C/CTB Unit in the network. Using plug-in functional device, could achieve blind mating for guiding groove design. symmetrical stitch of the equalizer had been designed to avoid incorrect using. Gilded copper stitches and pins are suitable for connection and debugging. The standard optional output interface: 2/3/4outputs, 2 high power output etc. Built-in two aluminum panels to prevent electromagnetic radiation Multistage lightning protection devices ensure long-time steady and continuous working. New attractive aluminum alloy case with waterproof, moisture proof and anti-Oxidation design is favorable to installation and heat elimination.

Technique Parameter

Items Unit Technical Parameter Frequency Band MHz 45~750/862 Nominal Gain dB 26 28 30 32 34 Minimal Gain dB ≥26 ≥28 ≥30 ≥32 ≥34 Nominal Output Power dBuV 98 100 102 104 106 Nominal Input Power dBuV 72 Max Output Power dBuV 108 Flatness In Band dB ±0.75 Noise Coefficient dB ≤10 RF Reflection Loss dB ≥16 C/CTB dB ≥67 ≥63 ≥61 ≥61 ≥60 C/CSO dB ≥64 ≥62 ≥60 ≥60 ≥60 Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio ≪ 2 Gain Stability<	reclinique rarameter							
Nominal GaindB2628303234Minimal GaindB≥26≥28≥30≥32≥34Nominal Output PowerdBuV98100102104106Nominal Input PowerdBuV72Max Output PowerdBuV108Flatness In BanddB±0.75Noise CoefficientdB≤10RF Reflection LossdB≥16C/CTBdB≥67≥63≥61≥61C/CSOdB≥64≥62≥60≥60Gain Adjust RangedB1~20dB Fixed (1dB step) or continuousSlope Adjust RangedB1~15dB Fixed (1dB step) or continuousEthernet Over CoaxBuilt-in EOC Signal Commingler (optional)Signal Hum Ratio%<2	Items	Unit	Technical Parameter					
Minimal GaindB ≥ 26 ≥ 28 ≥ 30 ≥ 32 ≥ 34 Nominal Output PowerdBuV98100102104106Nominal Input PowerdBuV72Max Output PowerdBuV108Flatness In BanddB ± 0.75 Noise CoefficientdB ≤ 10 RF Reflection LossdB ≥ 16 C/CTBdB ≥ 67 ≥ 63 ≥ 61 ≥ 60 C/CSOdB ≥ 64 ≥ 62 ≥ 60 ≥ 60 ≥ 60 Gain Adjust RangedB1~20dB Fixed (1dB step) or continuousSlope Adjust RangedB1~15dB Fixed (1dB step) or continuousEthernet Over CoaxBuilt-in EOC Signal Commingler (optional)Signal Hum Ratio% <2 Gain StabilitydB ± 1 Output Impedance Ω 75 Working Temperature°C -40 ~+60Storage Temperature°C -55 ~+75		MHz	45~750/862					
Nominal Output Power dBuV 98 100 102 104 106 Nominal Input Power dBuV 72 Max Output Power dBuV 108 Flatness In Band dB ±0.75 Noise Coefficient dB ≤10 RF Reflection Loss dB ≥16 C/CTB dB ≥67 ≥63 ≥61 ≥60 C/CSO dB ≥64 ≥62 ≥60 ≥60 ≥60 Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	Nominal Gain	dB	26	28	30	32	34	
Nominal Input PowerdBuV72Max Output PowerdBuV108Flatness In BanddB ± 0.75 Noise CoefficientdB≤10RF Reflection LossdB≥16C/CTBdB≥67≥63≥61≥61C/CSOdB≥64≥62≥60≥60Gain Adjust RangedB1~20dB Fixed (1dB step) or continuousSlope Adjust RangedB1~15dB Fixed (1dB step) or continuousEthernet Over CoaxBuilt-in EOC Signal Commingler (optional)Signal Hum Ratio%<2	Minimal Gain	dB	≥26	≥28	≥30	≥32	≥34	
Max Output Power dBuV 108 Flatness In Band dB ±0.75 Noise Coefficient dB ≤10 RF Reflection Loss dB ≥16 C/CTB dB ≥67 ≥63 ≥61 ≥60 C/CSO dB ≥64 ≥62 ≥60 ≥60 ≥60 Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	Nominal Output Power	dBuV	98	100	102	104	106	
Flatness In Band dB ±0.75 Noise Coefficient dB ≤10 RF Reflection Loss dB ≥16 C/CTB dB ≥67 ≥63 ≥61 ≥60 C/CSO dB ≥64 ≥62 ≥60 ≥60 ≥60 Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	Nominal Input Power	dBuV	72					
Noise Coefficient dB ≤10 RF Reflection Loss dB ≥16 C/CTB dB ≥67 ≥63 ≥61 ≥60 C/CSO dB ≥64 ≥62 ≥60 ≥60 ≥60 Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	Max Output Power	dBuV	108					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Flatness In Band	dB	±0.75					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Noise Coefficient	dB	≤10					
C/CSOdB≥64≥62≥60≥60≥60Gain Adjust RangedB1~20dB Fixed (1dB step) or continuousSlope Adjust RangedB1~15dB Fixed (1dB step) or continuousEthernet Over CoaxBuilt-in EOC Signal Commingler (optional)Signal Hum Ratio%<2	RF Reflection Loss	dB	≥16					
Gain Adjust Range dB 1~20dB Fixed (1dB step) or continuous Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	C/CTB	dB	≥67	≥63	≥61	≥61	≥60	
Slope Adjust Range dB 1~15dB Fixed (1dB step) or continuous Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % <2	C/CSO	dB	≥64	≥62	≥60	≥60	≥60	
Ethernet Over Coax Built-in EOC Signal Commingler (optional) Signal Hum Ratio % Gain Stability dB ±1 Output Impedance Ω 75 Working Temperature °C -40~+60 Storage Temperature °C -55~+75	Gain Adjust Range	dB	1~20dB Fixed (1dB step) or continuous					
Signal Hum Ratio % <2 Gain Stability dB ±1 Output Impedance Ω 75 Working Temperature °C -40~+60 Storage Temperature °C -55~+75	Slope Adjust Range	dB	1~15dB Fixed (1dB step) or continuous					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ethernet Over Coax		Built-in EOC Signal Commingler (optional)					
Output Impedance Ω 75Working Temperature°C-40~+60Storage Temperature°C-55~+75	Signal Hum Ratio	%	<2					
Working Temperature °C -40~+60 Storage Temperature °C -55~+75	Gain Stability	dB	±1	±1				
Storage Temperature °C -55~+75	Output Impedance	Ω	75					
9 1	Working Temperature	°C	-40~+60	10 100				
D 1/1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1	Storage Temperature	°C	-55~+75	-55~+75				
Power Voltage V AC135~265 or AC35~90	Power Voltage	V	AC135~265	AC135~265 or AC35~90				

Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: Sales@zhtelecomm.com Website: www.zhtelecomm.com Tel: +86-01081593787 Fax: +86-01081593789