



## NHA-750N : Trunk Amplifier, 45 - 750 MHz, +30dB, Philip IC, I (plug IN/OUT)

### FEATURES

- 750 MHz. RF bandwidth (optional) , two-way operation capability.
- Using GaAs Power-doubled module as output module, having high output level and perfect nonlinear distortion
- Interior units designed modularization, convenient for maintenance and upgrade
- Independent reverse channels, output level could be controlled agility by adjusting the attenuator
- Dual output ports
- -20dB direction coupler test points
- Forward input, reverse output and inter-stages all have plug - in ATT and EQ
- 15-amp power passing

### SPECIFICATIONS

Performance	Unit	Description	
		Forward	Revers
<b>Bandwidth</b>	<b>MHz.</b>	<b>42 ~ 750</b>	<b>5 ~ 54</b>
Technology		GaAs Power-doubled OR Power-doubled	
Flatness	dB	± 0.75	
RF Return Loss		47MHz. ~ 550MHz. ≥ 16	± 15
		550MHz. ~ 860MHz. ≥ 14	
AC Through Current	A	10	
AC Hum	dB	≥65	
DC (24V)	A	0.7 (Max)	
Test Point	dB	-20±1.5	
Recommended RF Output Level	dBmV	48.0@750MHz.	35@65MHz.
		39.0@87MHz.	35@5MHz.
Full-gain (min)	dB	32	18
Internal Tilt	dB	9	
Noise Figure	dB	≤10 (0dB equalizing)	
Envelope Delay	Ns	≤10	≤20
Resist Impacted Voltage	KV	5	
<b>Distortion</b>		<b>59 PAL-D</b>	<b>3 PAL-D</b>
CTB	dB	≥70	≥88
XM	dB	≥65	≥80
CSO	dB	≥69	≥82

### Block Diagram

