

# Diamond Line Amplifiers

## Diamond Line Series Amplifiers—Configured

3A6 D - C L 9 C1

### Upgrade Compatibility

T = TNA (Diamond Line 1)  
G = GNA (Diamond Line 2 and 3)

### Number of Output Hybrids

3 = Diamond Line 1  
2 = Diamond Line 2  
1 = Diamond Line 3

### Highest Forward Frequency

8 = 870 MHz

### Station Main Output Gain in dB

(36, 31, or 40 dB depending on model; figures include ALSC-related loss and 1 dB loss in input equalizer)

### Housing

A = None  
C = 9-NH15-2P (for use with DL 3 only)  
K = 9-NH15  
L = 9-NH15/CA  
M = 9-NH15/I  
R = 9-NH15/I/PED-CA

### ALSC Pilot Frequency

F = 427.25 MHz  
J = 499.25 MHz  
Or for Diamond Line 3 only:  
THR = Thermal  
MAN = Manual

### Station Internal Tilt / Output Tilt (at highest frequency)

2 = 12.5 dB / 12.5 dB  
E = 8 / 12.5 dB (for Diamond Line 3 only)

EMS capable

90 V Crowbar Surge Protector

For non-standard configurations, contact your Philips representative.

For more information on plug-in circuits, see "Plug-In Components and Modules" on page 509.



# Housings

## Specifications

### 9-NH15 Series Housing

		Units
Bandwidth	5 to 1000	MHz
Mechanical		
Dimensions (length x height x depth)	38.1 x 22.6 x 13.5 15.0 x 8.9 x 5.3	cm in.
Weight	(5.0) 11.1	(kg) lbs.
Connector		
Center Conductor Maximum Diameter	(0.36) 0.14	(cm) in.
Center Conductor Length	(4.1) 1.60	(cm) in.
Final Torque		
Lid Bolts <sup>a</sup>	4.5 to 5.7 40 to 50	N•m in.-lb.
Test Port Plugs (CA versions only) <sup>b</sup>	3.4 to 4.5 30 to 40	N•m in.-lb.
Seizure Screws	1.6 to 1.9 14 to 17	N•m in.-lb.

Specifications are subject to change without notice.

a. Use a 1/2" nut driver.

b. Use a flat-blade screwdriver.

## Ordering Information

 To order, call your sales representative. See the Introduction section for a list of Philips' representatives.

### 9-NH15 Series Housings

The 9-NH15 series is a 15-Amp continuous power passing housing used by Diamond Line series network amplifiers.

Model	Description
9-NH15	15-Amp continuous power passing network amplifier housing
9-NH15/CA	15-Amp continuous power passing network amplifier housing with through-the-cover access to test points
9-NH15/I	15-Amp continuous power passing network amplifier housing with chromate-conversion coating
9-NH15/I/PED-CA	15-Amp continuous power passing network amplifier housing with pedestal ports and through-the-cover access to test points
9-NH15-2P	15-Amp continuous power passing network amplifier housing This 2P version are for use with Diamond Line 3 amplifiers only.
9-NH15-2P/I	15-Amp continuous power passing network amplifier housing with chromate-conversion coating This 2P version are for use with Diamond Line 3 amplifiers only.