



### Key features

- 107 dB 1W / 1m average sensitivity
- 1 inch exit
- 44 mm ( 1 3/4 inch) voice coil diameter
- 80 W Continuous program
- Polyester diaphragm
- Patent pending phase plug

- The HD1040, high frequency compression driver, is designed for use in sound systems where the highest quality are required. With a throat exit of 1 inch, the HD1040 is developed to match the new XT1085 and XT120 constant directivity horns.
- The compact magnet structure achieves 1,6 Tesla flux with extremely compact size.
- The new HD1040 phase plug (patent pending), is designed to improve response coherence and manufacturing consistency. The phase plug with short openings and high flare rate value, assures low distortion and remarkable improvements in high frequency response.

- Polyester diaphragm design is developed for high sensitivity above 10kHz and good sound reproduction.
- 44mm (1 3/4 inch) voice coil in edge-wound copper clad aluminium wire, is strongly coupled to nomex former assuring very high reliability above 300°C.

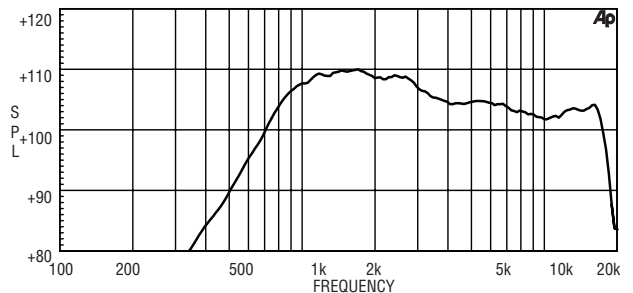
### GENERAL SPECIFICATIONS

THROAT DIAMETER	25,4 mm	( 1 in )
RATED IMPEDANCE	8 ohms	
D.C. RESISTANCE	6,2 ohms	
MINIMUM IMPEDANCE	8 ohms at 3500 Hz	
POWER HANDLING ( 1600 - 20000 Hz )		
CONTINUOUS PINK NOISE	40 W above 1,6 kHz	(1)
CONTINUOUS PROGRAM	80 W above 1,6 kHz	(2)
SENSITIVITY(1W/1m)	107 dB	(3)
FREQUENCY RANGE	1600 Hz - 20 kHz	
RECOMM. CROSS. FREQUENCY	above 1600 Hz (12 dB /oct slope)	
DIAPHRAGM MATERIAL	Polyester	
VOICE COIL DIAMETER	44,4 mm	( 1 3/4 in )
VOICE COIL WINDING MATERIAL	Edge-wound aluminum	
MAGNET MATERIAL	Ceramic	
FLUX DENSITY	1,6 T	
BL FACTOR	8 N/A	
POLARITY	Positive voltage on red terminal gives positive pressure in the throat	

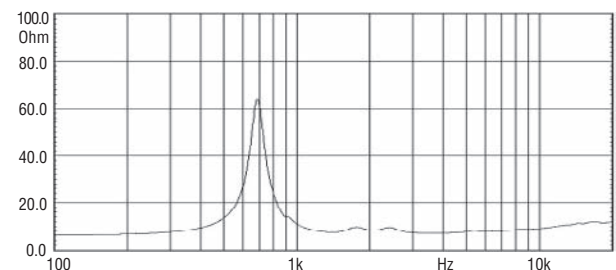
### MOUNTING INFORMATION

Overall diameter	110 mm	( 4,3 in )
N. of mounting holes	4 M6 holes 90° at Ø 76 mm (3 in)	
Bolt circle diameter	76 mm	( 3 in )
Total depth	62 mm	( 2,4 in )
Net weight	1,6 Kg	( 3,5 lb )
Shipping weight	1,7 Kg	( 3,8 lb )
CardBoard packing dims.	122 x 133 x 72 mm	( 4,8x5,2x2,8 in )

HD1040 MEASURED WITH 1W INPUT ON RATED IMPEDANCE AT 1 M DISTANCE FROM THE MOUTH OF THE XT1085



IMPEDANCE CURVE OF HD1040



(1) Continuous pink noise power rating is tested with a pink noise input having a 6 dB crest factor for two hours duration within the specified range. Power calculated on minimum impedance.  
 (2) Program Power is defined as 3 dB greater than Acontinuous pink noise but with 50% duty cycle.  
 (3) Sensitivity is measured at 1W input on rated impedance at 1m on axis from the mouth of XT1085 averaged between 1kHz and 4 kHz.