

HF142

1.4" - 80 W - 110 dB - 16 0hm

NOMINAL SPECIFICATIONS

Throat Diameter	35.6 mm (1.4 in)
Overall Diameter	115 mm (4.53 in)
90° Mounting Holes Diameter (4xM6)	102 mm (4.02 in)
Depth	54.5 mm (2.15 in)
Net Weight	1.64 kg (3.6 lb)
Shipping Box (Single carton box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	1.95 kg (4.3 lb)

PART NUMBER

Push Terminals - 16 Ohm Version 00654273

NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) 12 dB/oct or higher slope high-pass filter
- (4) Averaged within the frequency range
- (5) The phase plug is recessed from the driver's exit which is at the end of a conical adaptation horn.



TECHNICAL PARAMETERS

AES Power above 0.9 kHz (1) 80 W AES Power above 0.65 kHz 25 W Maximum Power above 0.9 kHz (2) 160 W Maximum Power above 0.65 kHz 50 W Minimum Crossover Frequency (3) 0.9 kHz Sensitivity (1W/1m) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular	Nominal Impedance	16 Ohm
AES Power above 0.65 kHz 25 W Maximum Power above 0.9 kHz (2) 160 W Maximum Power above 0.65 kHz 50 W Minimum Crossover Frequency (3) 0.9 kHz Sensitivity (1W/Im) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Minimum Impedance	16.5 Ohm
Maximum Power above 0.9 kHz (2) 160 W Maximum Power above 0.65 kHz 50 W Minimum Crossover Frequency (3) 0.9 kHz Sensitivity (1W/1m) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	AES Power above 0.9 kHz (1)	80 W
Maximum Power above 0.65 kHz 50 W Minimum Crossover Frequency (3) 0.9 kHz Sensitivity (1W/1m) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material AI Former Material Ketone Polymer Diaphragm Material Ketone Polymer Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	AES Power above 0.65 kHz	25 W
Minimum Crossover Frequency (3) 0.9 kHz Sensitivity (1W/1m) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material All Former Material Ketone Polymer Diaphragm Material Ketone Polymer Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Maximum Power above 0.9 kHz (2)	160 W
Sensitivity (1W/1m) (4) 110 dB Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material Al Former Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Maximum Power above 0.65 kHz	50 W
Frequency Range 0.7÷18 kHz Voice Coil Diameter 65 mm (2.56 in) Winding Material Al Former Material Ketone Polymer Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Minimum Crossover Frequency (3)	0.9 kHz
Voice Coil Diameter 65 mm (2.56 in) Winding Material Al Former Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Sensitivity (1W/1m) (4)	110 dB
Winding MaterialAlFormer MaterialKaptonDiaphragm MaterialKetone PolymerDiaphragm ShapeDomeWinding Depth2.4 mm (0.09 in)Magnetic Gap Depth4.2 mm (0.17 in)Flux Density1.8 TMagnetNeodymium RingRe13.4 OhmPhase Plug DesignAnnularExit Angle (5)29° Conical	Frequency Range	0.7÷18 kHz
Former Material Kapton Diaphragm Material Ketone Polymer Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Voice Coil Diameter	65 mm (2.56 in)
Diaphragm MaterialKetone PolymerDiaphragm ShapeDomeWinding Depth2.4 mm (0.09 in)Magnetic Gap Depth4.2 mm (0.17 in)Flux Density1.8 TMagnetNeodymium RingRe13.4 OhmPhase Plug DesignAnnularExit Angle (5)29° Conical	Winding Material	Al
Diaphragm Shape Dome Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Former Material	Kapton
Winding Depth 2.4 mm (0.09 in) Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Diaphragm Material	Ketone Polymer
Magnetic Gap Depth 4.2 mm (0.17 in) Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Diaphragm Shape	Dome
Flux Density 1.8 T Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Winding Depth	2.4 mm (0.09 in)
Magnet Neodymium Ring Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Magnetic Gap Depth	4.2 mm (0.17 in)
Re 13.4 Ohm Phase Plug Design Annular Exit Angle (5) 29° Conical	Flux Density	1.8 T
Phase Plug Design Annular Exit Angle (5) 29° Conical	Magnet	Neodymium Ring
Exit Angle (5) 29° Conical	Re	13.4 Ohm
3.17	Phase Plug Design	Annular
NET Air Volume filled by HF Driver $0.4\ dm^3\ (0.014\ ft^3)$	Exit Angle (5)	29° Conical
	NET Air Volumo filled by HE Driver	0.4 dm/3 (0.014 ft/3)



