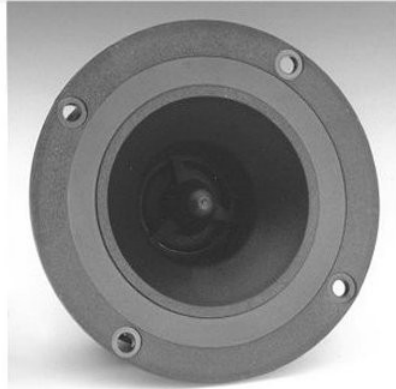


Peerless

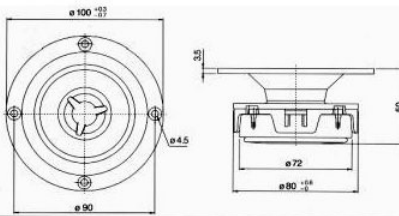


1" DOME TWEETER



811647

100 HDT 26 72 SF 8Ω



Horn dome tweeter for use in power systems. The mounted horn with phase plug combines the high sensitivity of horn speakers with the smooth response of a dome tweeter. It has a very high power handling and a replaceable self-centering dome assembly like most of the dome tweeters from Peerless. This tweeter is especially suitable for boxes where a high output is required.

Thiele Small parameters:

Nominal impedance	Znom (Ω):	8.0
Minimum impedance/at freq.	Zmin (Ω/Hz):	7.7/3730
Maximum impedance	Zo (Ω):	40.4
Dc resistance	Re (Ω):	6.8
Voice coil inductance	Le (mH):	0.1
Resonance frequency	fs (Hz):	1040
Mechanical Q factor	Qms :	5.16
Electrical Q factor	Qes :	1.04
Total Q factor	Qts :	0.87
Mechanical resistance	Rms (kg/s):	0.33
Moving mass	Mms (g):	0.26
Suspension compliance	Cms (mm/N):	0.09
Effective cone diameter	D (cm):	2.8
Effective piston area	Sd (cm²):	6.2
Force factor	BL (N/A):	3.3
Reference Voltage Sensitivity Re 2.83V 1m at 3730 Hz	(dB):	99.0

Magnet and voice coil parameters:

Voice coil diameter	d (mm):	26
Voice coil length	h (mm):	1.6
Voice coil layers	n :	2
Flux density in gap	B (T):	1.5
Total useful flux	Φ (mWb):	0.3
Height of the gap	hg (mm):	2.5
Diameter of magnet	dm (mm):	72
Height of magnet	hm (mm):	15
Weight of magnet	(kg):	0.24

Power handling:

Longterm Max System Power (IEC)	(W):	100
Max linear SPL (rms) by power	(dB/W):	111/25
Frequency range for test signal:		3500-20000 Hz

Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests.

