



811582
TWEETER 1"/80mmØ

TWEETER 1"/80mmØ - 80 DT 25 55 SF

Small competitively priced dome tweeter with an 80 mm face plate. The small size makes it very suitable for use in satellite systems together with for instance 5" woofers or in hi-fi boxes where a small tweeter is preferred. It has a very smooth response and is a good sounding small tweeter. Same high end fabric dome material as the other Peerless tweeters. Non ferrofluid model, giving a slightly brighter response. This improves detail and micro dynamics however it is recommended for use with smaller low power designs. Requires a high order crossover filtering, eg. 12dB/Octave in a 2 way bookshelf design. Good off axis response

Nominal impedance	Zn	(ohm)8
Minimum impedance/at freq.	Zmin	(ohm/Hz)7.0/2100
Maximum impedance	Zo	(ohm)19.9
DC resistance	Re	(ohm)6.9
Voice coil inductance	Le	(mH)0.1
Resonance Frequency	fs	(Hz)1050
Mechanical Q factor	Qms	6.99
Electrical Q factor	Qes	3.73
Total Q factor	Qts	2.43
Mechanical resistance	Rms	(Kg/s)0.24
Moving mass	Mms	(g)0.26
Suspension compliance	Cms	(mm/N)0.09
Effective cone diameter	D	(cm)2.8
Effective piston area	Sd	(cm ²)6.2
Force factor	Bl	(N/A)1.8

Reference voltage sensitivity		
Re 2.83V 1m at 2100 Hz (Measured)		(dB)89

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)1.0
Total useful flux		(mWb)0.2
Height of the gap	hg	(mm)2.5
Diameter of magnet	dm	(mm)55
Height of magnet	hm	(mm)8
Weight of magnet		(kg)0.07

Power handling:

Long term Max System Power (IEC)		(W)90
Code	811582	

