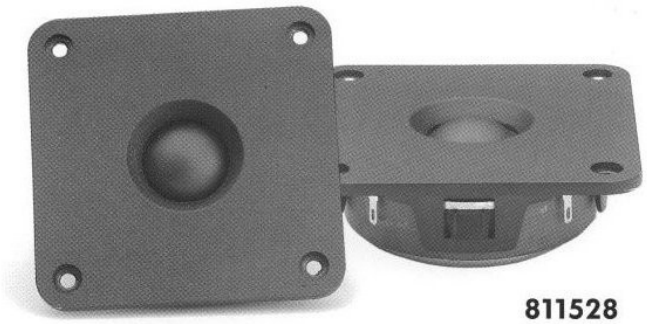
Peerless

1" DOME TWEETER



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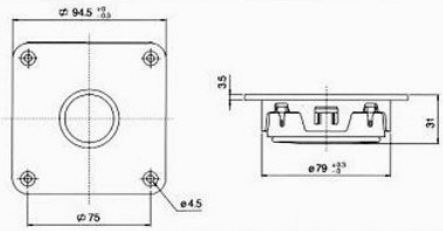
94 DT 26 72 SF 8Ω



A 1" dome tweeter with square front. The aperture in the face plate is shaped to give this tweeter a lift in the output at the highest frequencies. This makes it very suitable for use in cars, however, it is also preferred by many for hi-fi systems particularly for rock music.

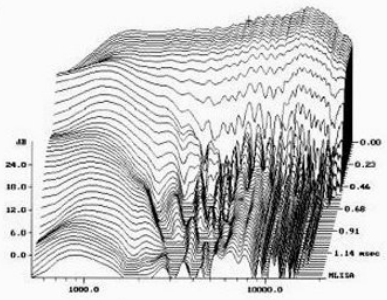
Thiele Small parameters:			
Nominal impedance	Znom	(Ω):	8.0
Minimum impedance/at freq.	Zmin	(Ω/Hz):	7.5/3117
Maximum impedance	Zo	(Ω):	32.2
Dc resistance	Re	(Ω):	6.8
Voice coil inductance	Le	(mH):	0.1
Resonance frequency	fs	(Hz):	980
Mechanical Q factor	Qms	:	4.83
Electrical Q factor	Qes	:	1.29
Total Q factor	Qts	:	1.02
Mechanical resistance	Rms	(kg/s):	0.44
Moving mass	Mms	(g):	0.34
Suspension compliance	Cms	(mm/N):	0.08
Effective cone diameter	D	(cm):	2.8
Effective piston area	Sd	(cm^2):	6.2
Force factor	BL	(N/A):	3.3
Reference Voltage Sensitivity Re 2.83V 1m at 3117 Hz		(dB):	91.5

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):	105/25
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

Cumulative Spectral Decay.



Frequency response and impedance curve.