



**811827**  
**DT100H TWEETER 1"/100mmØ**

TWEETER 1"/100mmØ DT100H - 100 DT 26 72 SF FF WA

Very popular Peerless tweeter with its wide angle front dispersion plate giving excellent controlled directivity and very low difference distortion of less than 0.3 pct.. This tweeter is highly recommended for demanding systems where quality must be at the highest level. Ferro fluid cooled giving extra damping for a smooth frequency & impedance response with a very high power capacity to meet most high end applications. Excellent off-axis response and very low difference tone distortion (under 0.3 pct) SSS "2 or 3way, excellent wide dispersion and high bandwidth"

Nominal impedance	Zn	(ohm)	8
Minimum impedance/at freq.	Zmin	(ohm/Hz)	6.0/3700
Maximum impedance	Zo	(ohm)	13.7
DC resistance	Re	(ohm)	5.2
Voice coil inductance	Le	(mH)	0.1
Resonance Frequency	fs	(Hz)	1170
Mechanical Q factor	Qms		1.63
Electrical Q factor	Qes		1.00
Total Q factor	Qts		0.62
Mechanical resistance	Rms	(Kg/s)	1.64
Moving mass	Mms	(g)	0.36
Suspension compliance	Cms	(mm/N)	0.05
Effective cone diameter	D	(cm)	2.8
Effective piston area	Sd	(cm <sup>2</sup> )	6.2
Force factor	Bl	(N/A)	3.7
Reference voltage sensitivity			
Re 2.83V 1m at 3700 Hz (Measured)			(dB)92
Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	1.8
Voice coil layers	n		2
Flux density in gap	B	(T)	1.5
Total useful flux		(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
<b>Power handling:</b>			
Long term Max System Power (IEC)	(W)		130
Code			811827

