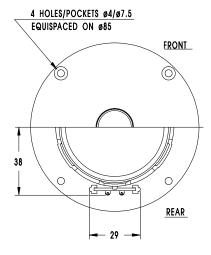


H 225

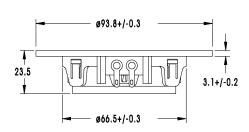
T19-002

TWEETER

19TNF



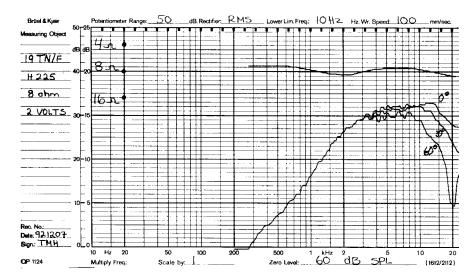
APR.97



19mm High Fidelity dome tweeter with a specially designed soft diaphragm. The chassis is injection moulded in glass fibre reinforced plastic. The unit features high efficiency and wide dispersion due to a moderate horn loading and a small diaphragm. The voice coil windings are immersed in magnetic fluid to increase short term power handling capacity, to reduce the compression at high power levels and to significantly reduce the Q factor.

NOTES			
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Response curve recorded in an anechoic chamber (Free-field, 4 pi radiation) with 0.5m microphone distance. The loudspeaker is mounted in a 0.6m by 0.8m baffle.



Cumulative spectral decay -24.0 -30.0 -36.0 -42.0 -48.0 -1.25 Msec

NOMINAL IMPEDANCE	8	Ohms	VOICE COIL RESISTANCE	6.2	Ohms
RECOMMENDED FREQUENCY RANGE	4000-20000	Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	0.05	mH
SHORT TERM MAXIMUM POWER*	200	W	VOICE COIL DIAMETER	19.5	mm
LONG TERM MAXIMUM POWER*	80	W	VOICE COIL HEIGHT		mm
CHARACTERISTIC SENSITIVITY (1W, 1m)	90	dB SPL	MOVING MASS		g
OPERATING POWER (96 dB SPL, 1 m)	4.0	W	EFFECTIVE PISTON AREA		sq.cm
			LINEAR COIL TRAVEL (p-p)	0.5	mm
AIR GAP HEIGHT	2.0	mm			
MAGNETIC GAP FLUX DENSITY	1.4	T	FREE AIR RESONANCE	1700	Hz
FORCE FACTOR	2.6	N/A			
MAGNET WEIGHT	0.12	Kg			
TOTAL WEIGHT	0.30	Kg	•		