



10W50-8TP

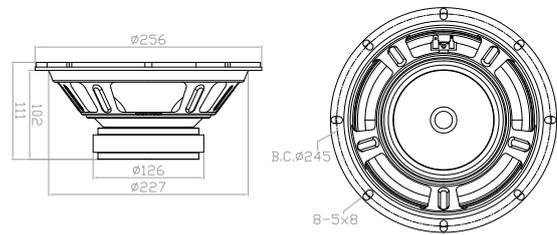
BASS/MID RANGE DRIVER



KEY FEATURES

- 95dB 1W/1m sensitivity
- 220W AES power handling
- 50Hz-4kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Suitable for compact two way systems

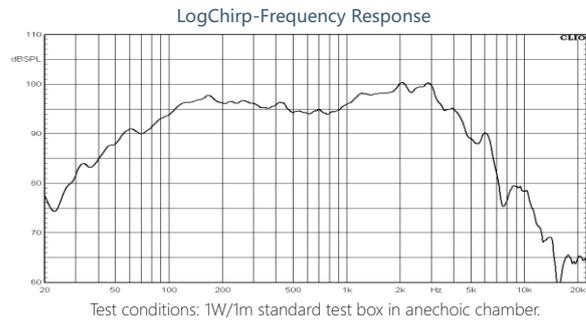
MECHANICAL DRAWING



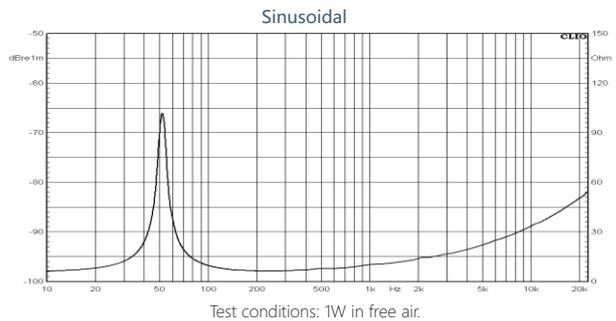
GENERAL SPECIFICATIONS

Part Number	10W50-8TP
Nominal Diameter	256mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling ¹	220W
Maximum Power Handling ²	440W
Sensitivity (1W/1m) ³	95dB
Resonance Frequency	50Hz
Frequency Range	50Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.6mm
Magnetic Gap Depth	8mm
Xmax ⁴	5mm
Flux Density	1.0T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.7kg

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



TS Parameters⁵

Fs	52Hz	Qms	8.7
Re	5.9Ω	Qes	0.53
Le	0.43mH	Qts	0.50
Mms	32g	Vas	49L
Mmd	28g	Ref. Efficiency	1.2%
Cms	0.29mm/N	Sd	346cm ²
BL	10.8Tm	EBP	98Hz

NOTES

1. Two hours test according to AES 2-1984 Rev. 2003.
Power calculated on rated minimum impedance.
2. Maximum power is defined as 3dB greater than Nominal power.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
5. Thiele-Small parameters are measured after a preconditioning test.
6. Power test by continuous pink noise signal within the frequency range.