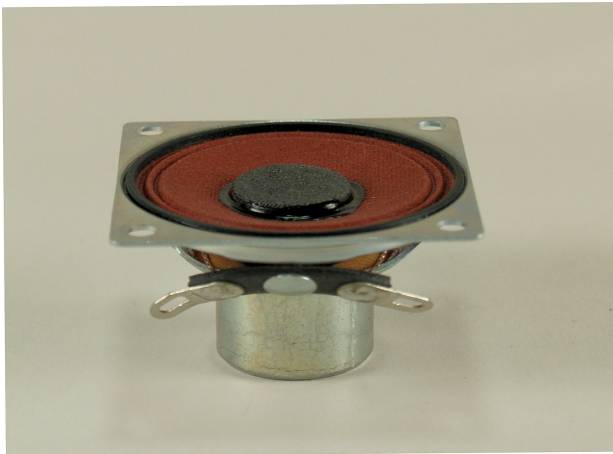


Specification Sheet

Model # RAN19WP-20A



MISCO®

Key Features:

- 1.9" (48 mm), 20 ohm
- Voice Range, 4 watt
- Neodymium magnet, water resistant cloth;

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Outdoor
RoHS Compliant	Yes

Technical Specifications

		Units of Measure
Nominal Basket Diameter	1.9	inch
	48.0	mm
Rated Impedance	20	ohms
Rated Power	4.0	Watts
Program Power	8	Watts
Frequency Range	500 - 6500	Hz
Sensitivity (2.83 V input measured at 1 Meter)	82	dB SPL
Voice Coil Diameter	0.7 / 17.8	inch / mm
Magnet Weight	0.4 / 12	oz / gr
Transformer		

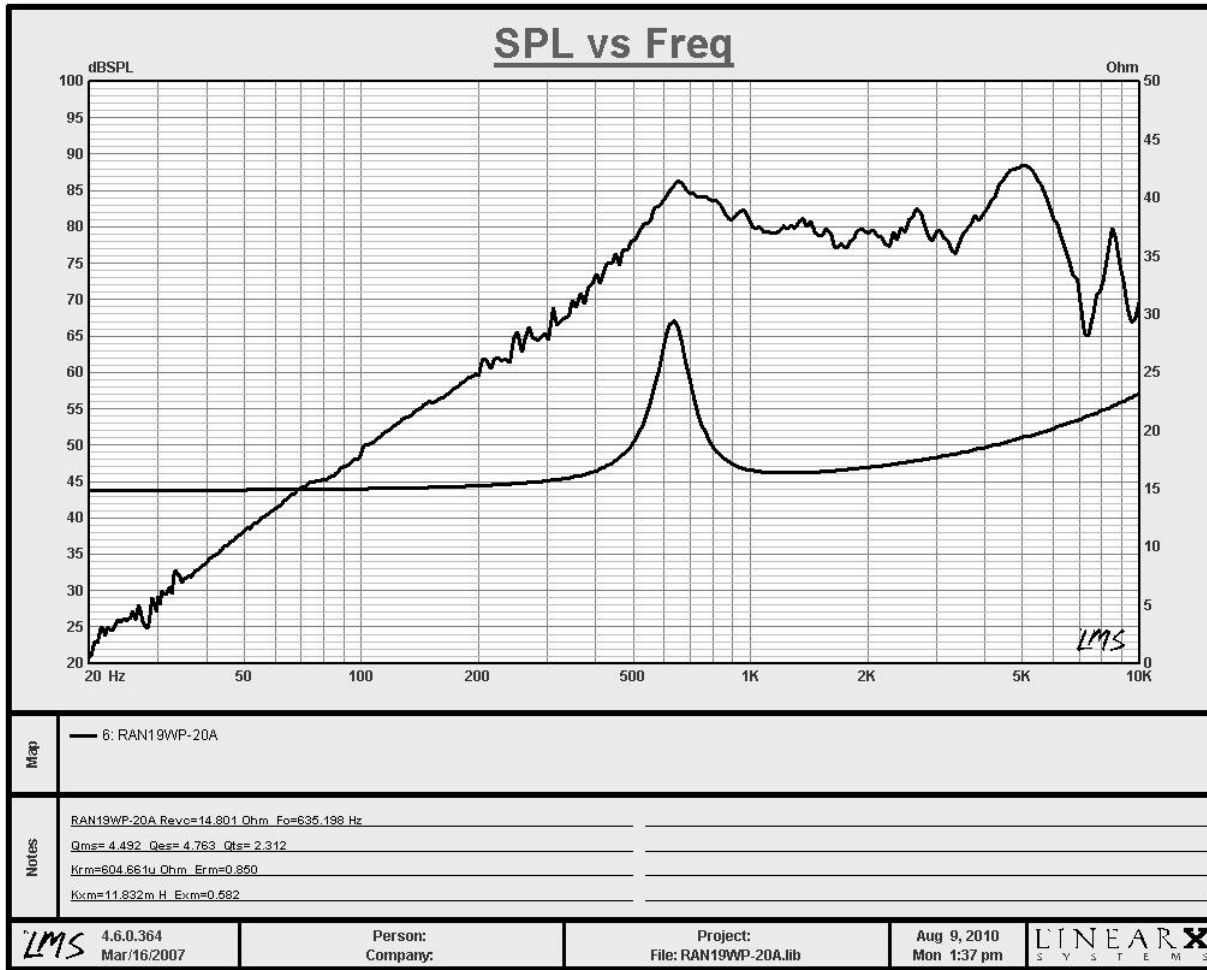
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	635	Hz
D.C. Resistance (Re)	17.0	ohms
Mechanical Q (Qms)	4.5	
Electrical Q (Qes)	4.77	
Total Q (Qts)	2.31	
Compliance Equivalent Volume (Vas)		ltr
BL Product (BL)		T-M
Maximum Linear Excursion (Xmax)		mm
Surface Area of Cone (Sd)		cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Stamped Steel
Terminal Size	0.19 X 0.02
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Aluminum
Cone	Water Resistant Cloth
Cone Edge	Red Acrylic Treated Cloth
Dust Cap	Cloth

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	1.9 in.	+/- 0.020"
CD	Cutout Diameter	1.8 in.	+/- 0.020"
MG	Magnet Diameter	0.9 in.	+/- 0.050"
HD	Hole Diameter	0.15 in.	+/- 0.010"
MD	Mounting Diameter	2.3 in.	+/- 0.010"
ID	Internal Depth	1.0 in.	+/- 0.025"
FT	Flange Thickness	0.09 in.	+/- 0.050"
NW	Net Weight	50.0 g	

