



LIZN HEARING AID BLUETOOTH BAND ANTENNA

Part Number: 2108900-1,1-2108900-1,2-2108900-1
2108897-1,1-2108897-1,2-2108897-1

FEATURES & BENEFITS

- LDS(Laser Direct Structuring) Antenna
- Ability to selectively and repeatably plate 3 dimensionally
 - Ability to produce thin traces
 - Flexibility of pattern design without changing tool

SPECIFICATIONS

Frequency Range (MHz)	2400 – 2500 (LEFT with Ear phantom)	2400 – 2500 (RIGHT with Ear phantom)
VSWR	< 2.5.0:1	< 2.5.0:1
Average Efficiency	4.4 %	4.4 %
Peak Gain	-7.94 dBi	-7.92 dBi
Average Gain	-13.54 dBi	-13.55 dBi
Power Handling	5 Watt cw	
Feed Point Impedance	50 ohms	
Polarization	Linear	
Size	18.68 mm x 17.6 mm x 9.77 mm	
Weight	< 0.5 g	
Operating Temperature	-40 to +85°C	
Storage Temperature	-40 to +85°C	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

RF DATA

3D Chamber : Efficiency Measurement

LEFT

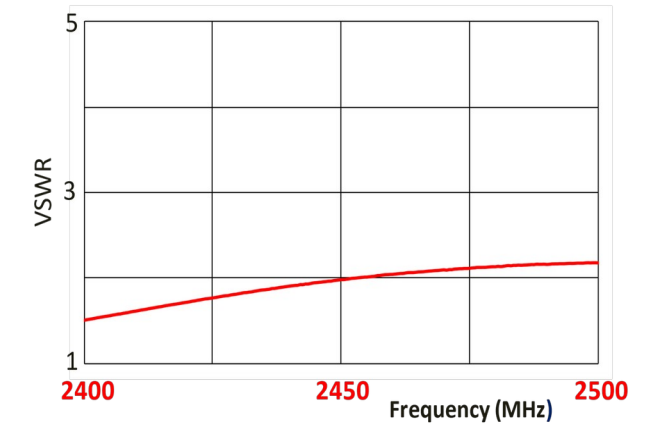
	1	2	3	4	5	6	7	8	9
Frequency [MHz]	2400	2413	2425	2438	2450	2463	2475	2488	2500
Efficiency [dB]	-14.00	-13.77	-13.55	-13.49	-13.48	-13.25	-13.40	-13.40	-13.51
Efficiency [%]	4.0	4.2	4.4	4.5	4.5	4.7	4.6	4.6	4.5
Peak Gain [dB]	-8.80	-8.63	-8.38	-8.24	-8.23	-7.95	-7.96	-7.88	-7.94

RIGHT

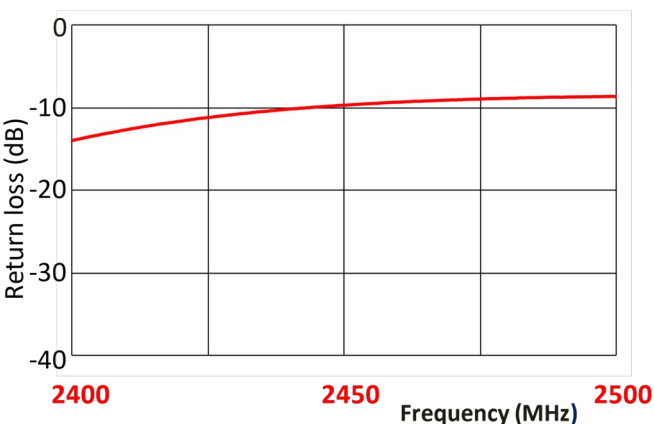
	1	2	3	4	5	6	7	8	9
Frequency [MHz]	2400	2413	2425	2438	2450	2463	2475	2488	2500
Efficiency [dB]	-14.01	-13.80	-13.57	-13.49	-13.50	-13.27	-13.41	-13.42	-13.53
Efficiency [%]	4.0	4.2	4.4	4.5	4.5	4.7	4.6	4.6	4.4
Peak Gain [dB]	-8.76	-8.61	-8.38	-8.25	-8.27	-7.96	-7.99	-7.92	-7.96

RF DATA - LEFT

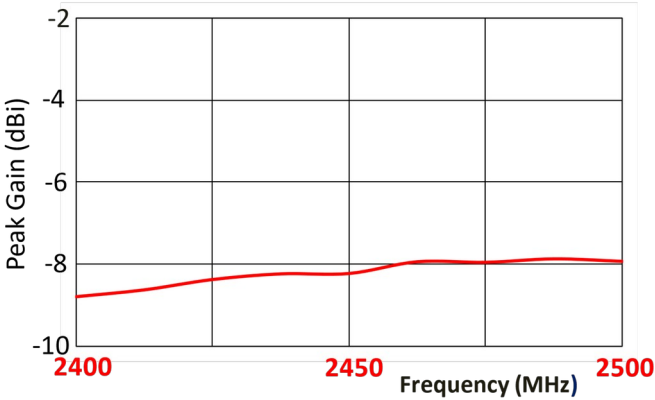
VSWR



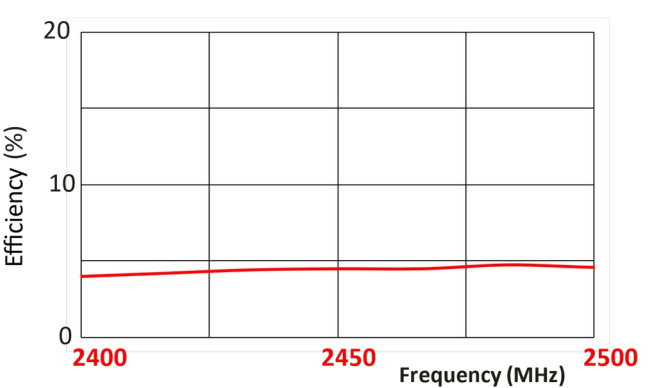
Return Loss



Peak Gain

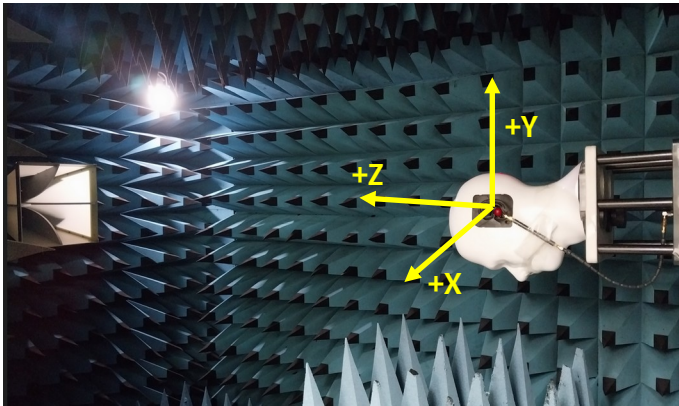


Efficiency

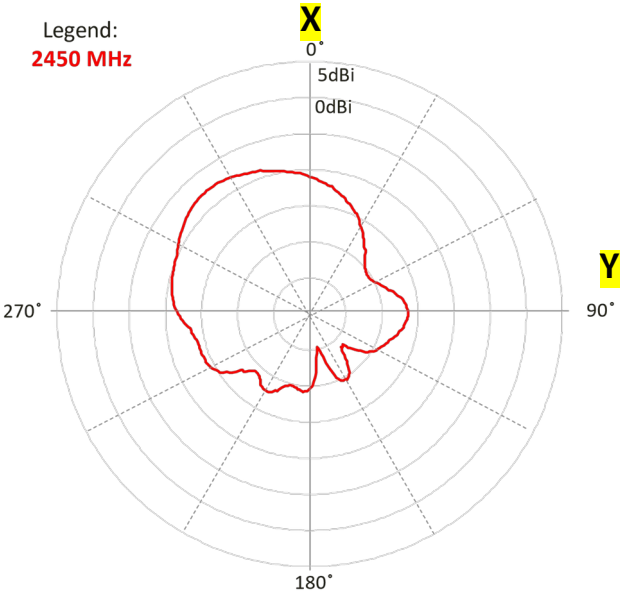


RADIATION PATTERN - LEFT

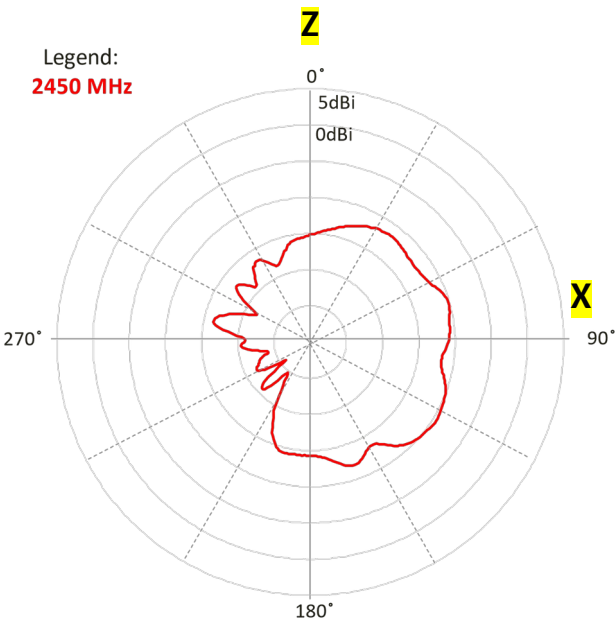
Test setup



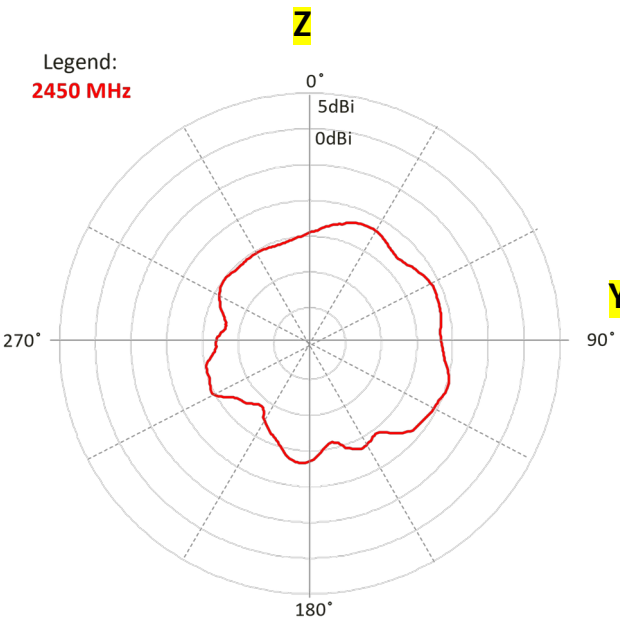
Azimuth [XY]



Elevation 1 [XZ]

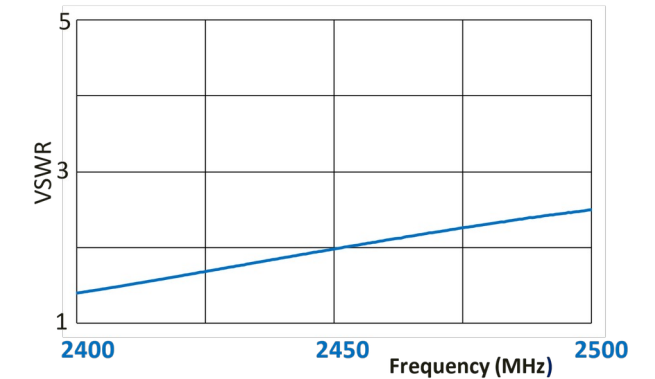


Elevation 2 [YZ]

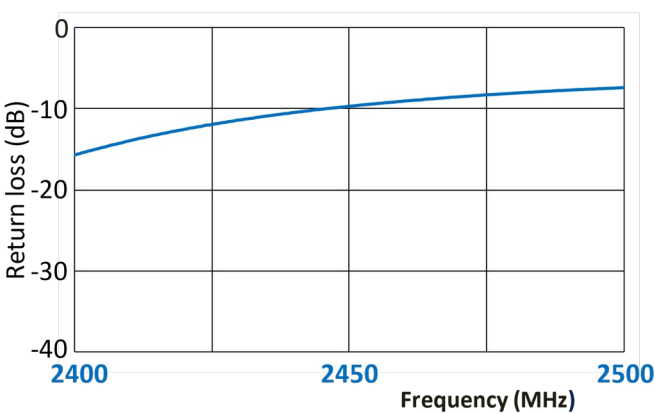


RF DATA - RIGHT

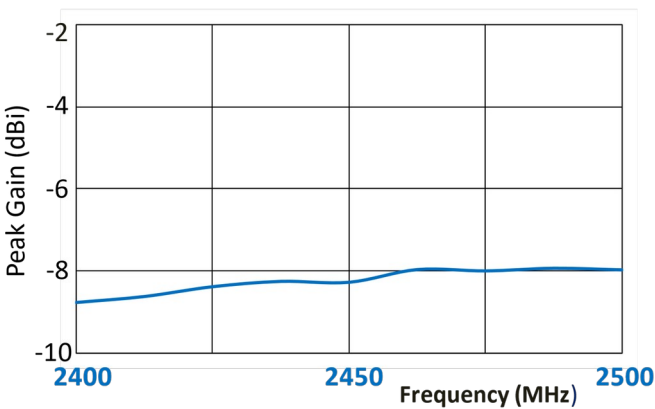
VSWR



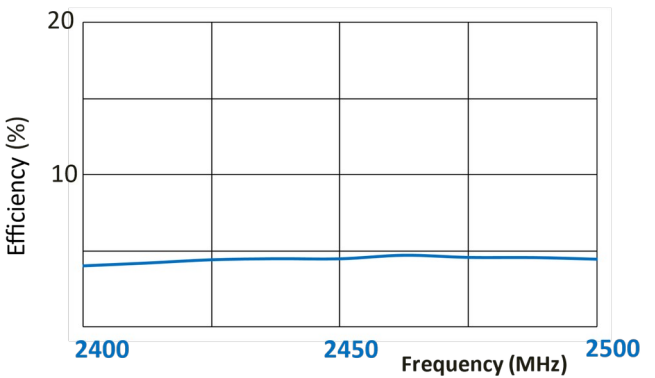
Return Loss



Peak Gain

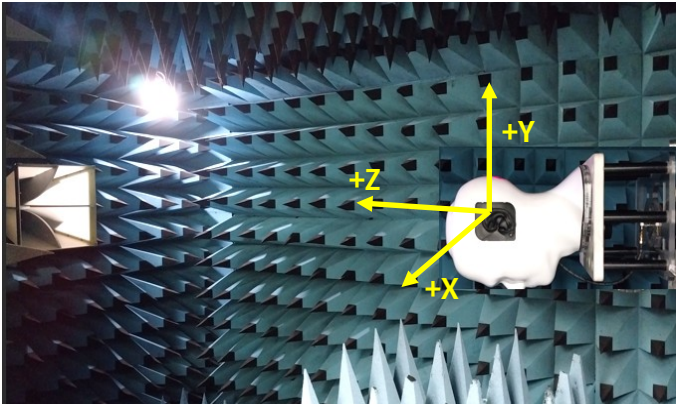


Efficiency

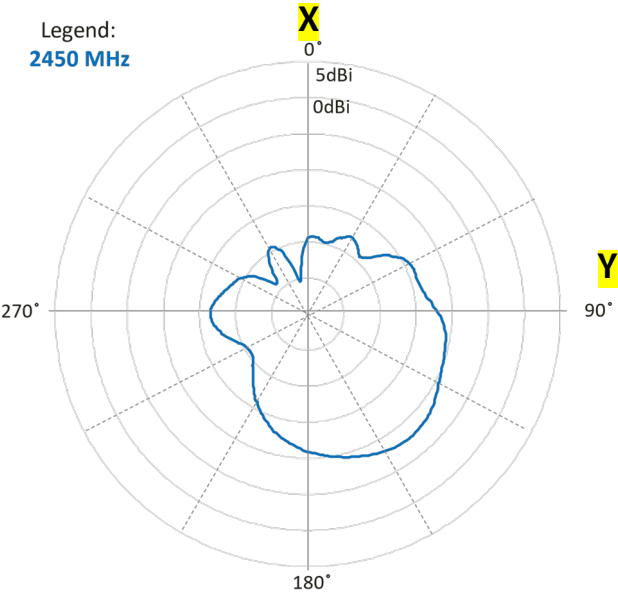


RADIATION PATTERN - RIGHT

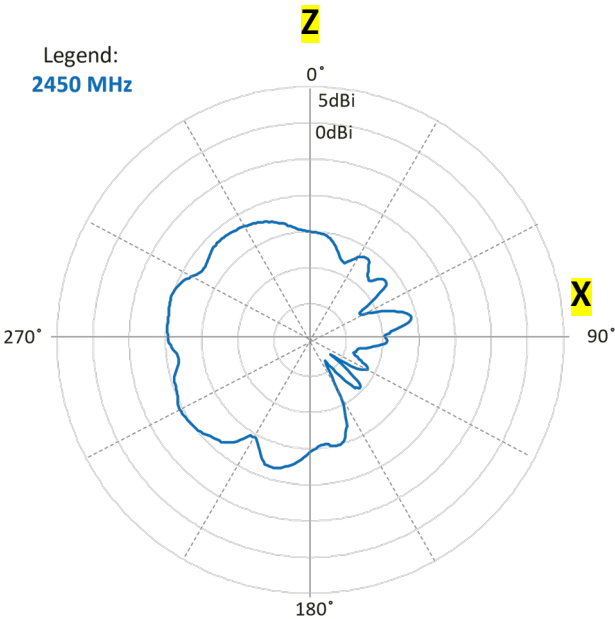
Test setup



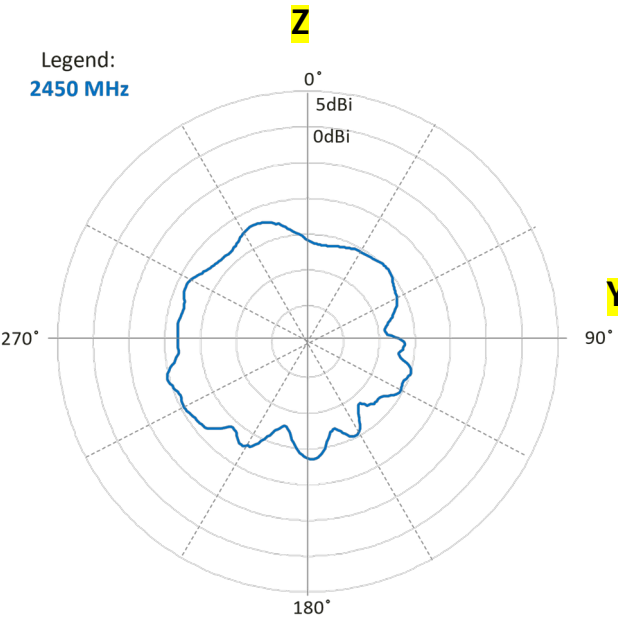
Azimuth [XY]



Elevation 1 [XZ]



Elevation 2 [YZ]



TEST SET

LEFT

RIGHT

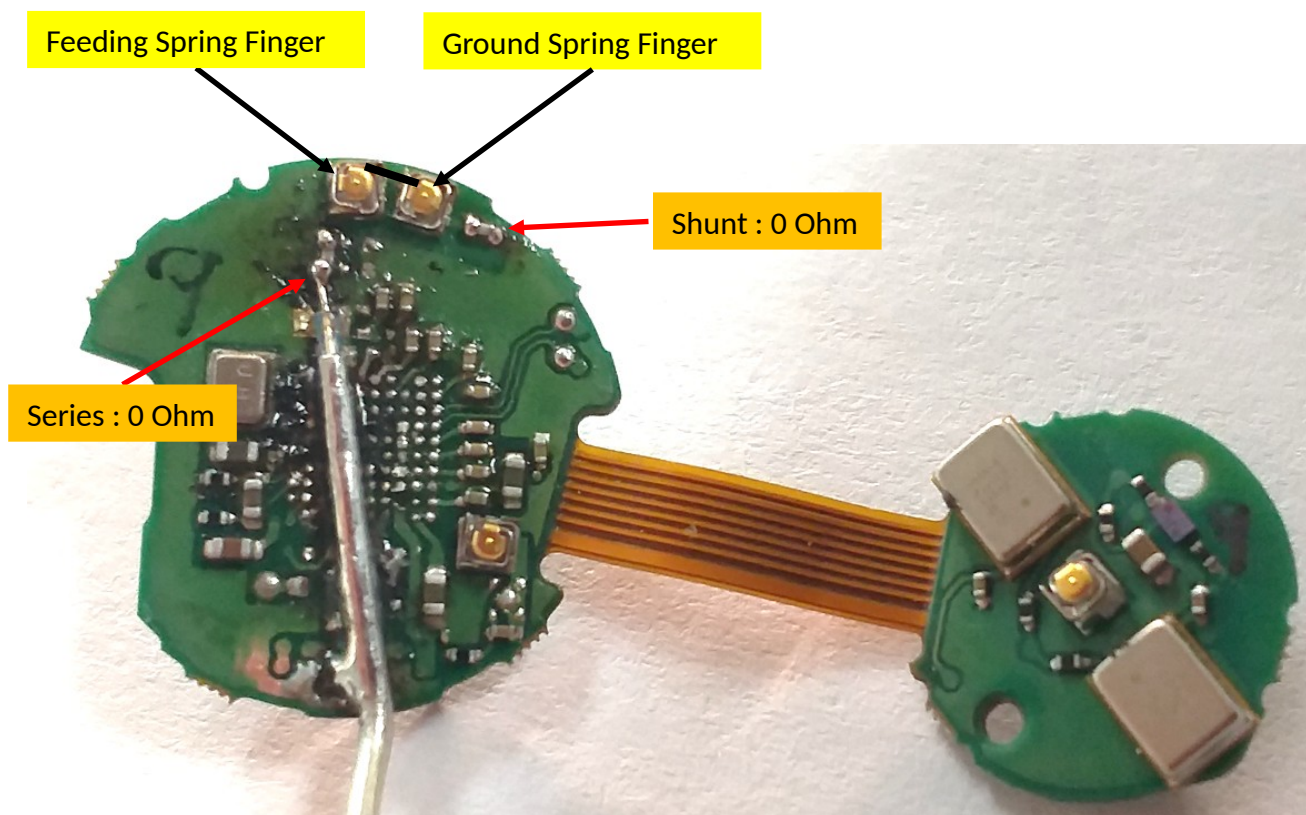


LEFT-Ear Phantom

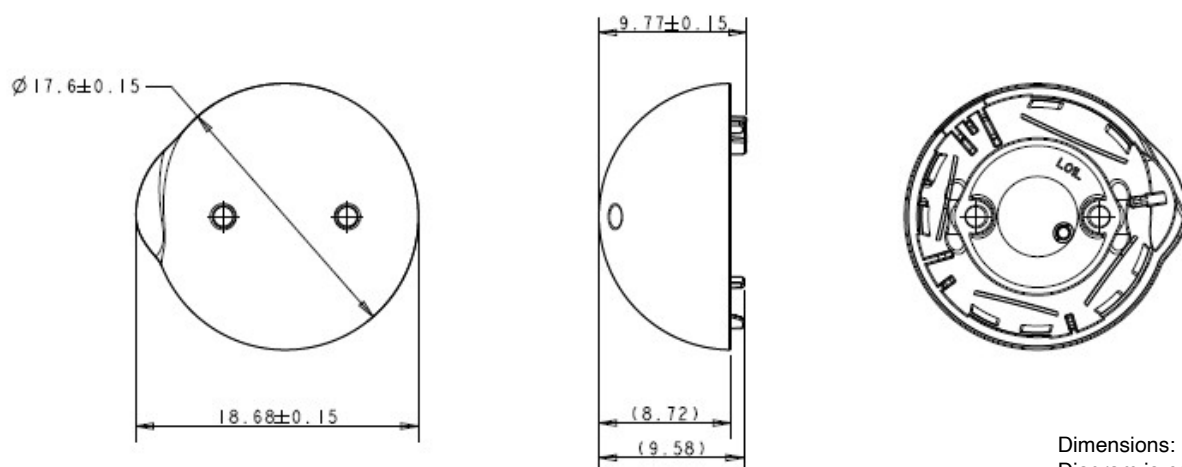
RIGHT-Ear Phantom



MATCHING CIRCUIT VALUE



DIMENSIONS



Dimensions: mm
Diagram is not to scale

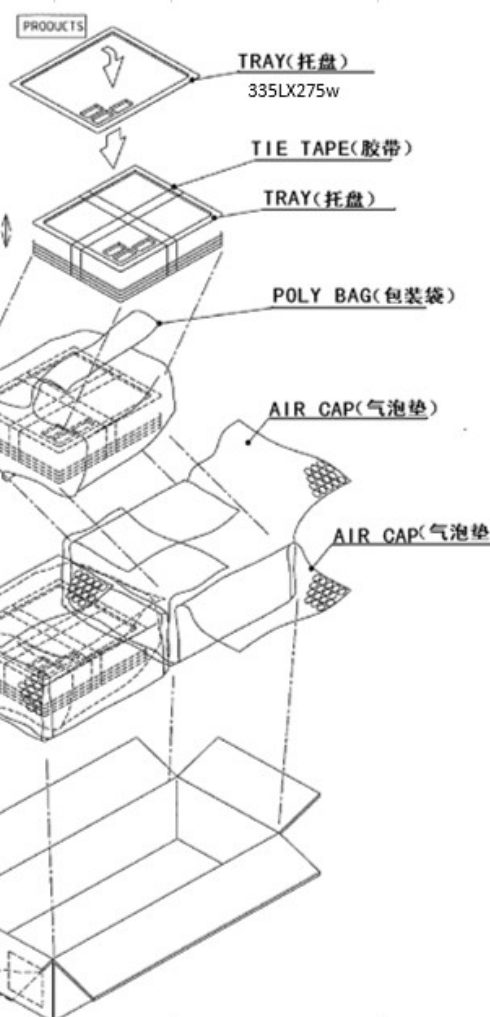
PACKAGING

① PRIMARY PACKING 80PCS/BUNDLE

② SECONDARY PACKING 1200PCS/BAG 托盘 TY TRAY TRAYS W/PRODUCTS

③ SHIPPER PACKING 2 BAG/BOX

BOX, SHIPPER
2 BAG/BOX



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