imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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THIS SPECIFICATION COVERS OUR PRODUCT OF DYNAMIC SPEAKER UNIT FOR MOBILE PHONE USE

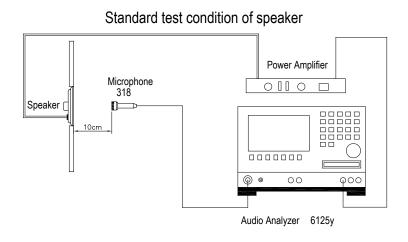
DYNAMIC SPEAKER ELECTROACOUSTIC CHARACTERISTICS

sound pressure level	90±3dB SPL @0.8, 1.0, 1.5 and 2.0KHz in average (0dB SPL=20μPa)
measuring condition	0.1W (Sine wave) 10cm measured with baffler shown in Fig.1
 ac impedance	8±15%Ω (@ 2 KHz 1V) without baffler
 frequency response curve	As shown in Fig.2
response frequency	$650 \pm 20\%$ Hz @ 1V. (Without Baffler)
rated noise power	0.3W
short-term max. power	0.5W must be normal at a white noise (1W, F_0 -20KHz) for 1 minute
 operation test	Must be free audible noise (buzzes and rattles)
	300 ~8KHz frequency range, input level up to 1.6Vrms
distortion	Less than 10% @1KHz , 0.1M , 0.1W frequency range, input level up to 0.1W

GENERAL SPECIFICATIONS

operating temperature -20°C ~	+55°C	
range		
standard test conditions		
temperature	17°C ~ 25°C	
relative humidity	45% ~ 80%(RH)	
dimension Ø28 X 4	8mm	

MEASURING METHOD (SPEAKER MODE) (Figure 1)

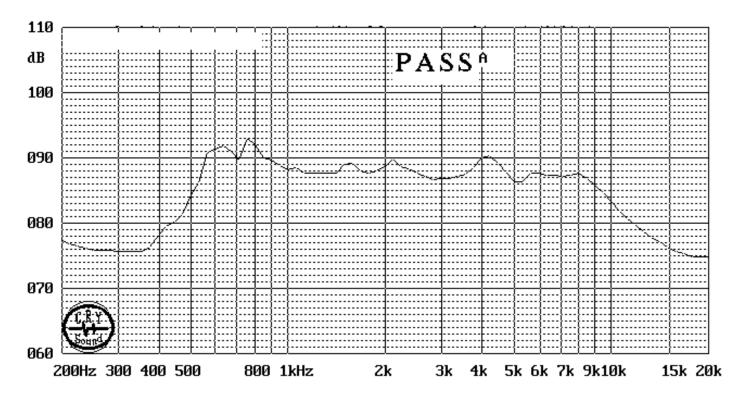


TEST CONDITION				
STANDARD				
temperature	15 ~ 35∘C			
relative humdity	45% ~ 85%			
atmospheric pressure	860mbar to 1060mbar.			
STANDARD TEST FIXTURE				
input power	0.1W (0.89V)			
zero level	-dB			
mode	TSR			
potentiometer range	50dB			
sweep time	0.5sec			



MODEL: SP-2805-1 PRODUCT: Dynamic Speaker EDITION: A/2016

TYPICAL FREQUENCY RESPONSE CURVE (Figure 2)





RELIABILITY TESTS

The sound pressure as specified shall neither deviate more than ± 3 dB from the initial value, nor have any significant damage after any of following testing.

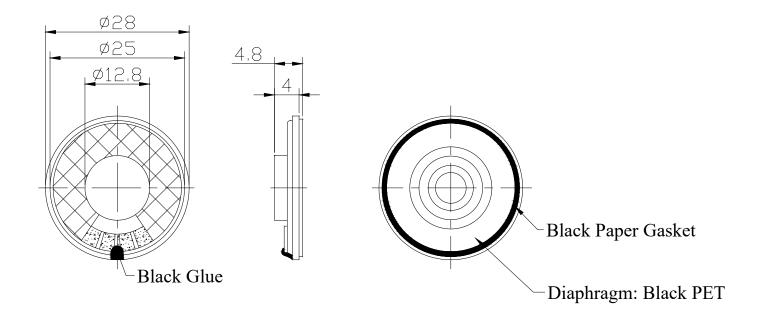
HIGH TEMPERATURE TEST	
 high temperature	+60±2°C
 duration	96 hours
 LOW TEMPERATURE TEST	
 low temperature	-20±2°C
duration	96 hours
 HEAT SHOCK TEST	
high temperature	+60±2°C
low temperature	-20±2°C
duration	1 hour
 changeover time	< 30 seconds
 cycle	100
 HUMIDITY TEST	
 temperature	+40±2°C
 relative humidity	90~95%
 duration	96 hours
 TEMPERATURE CYCLE TES	Т
 temperature	-20°C +60°C
 duration	45 minutes 45 minutes
 temperature gradient	1~3°C/min.
 cycle	25
 DROP TEST	
mounted with dummy set mass	100 g
 height	1.5 m
 cycle	6 (1 each plain) onto the concrete board
LOAD TEST	
 noise signal	White noise (EIA filter)
input power	0.3W
 duration	96 hours

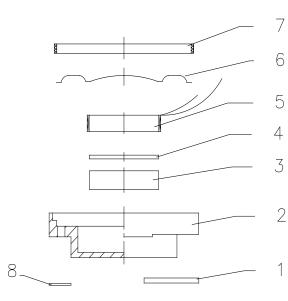


MODEL: SP-2805-1 PRODUCT: Dynamic Speaker EDITION: A/2016

DIMENSIONS

Tolerance: ±0.5 (unit: mm)



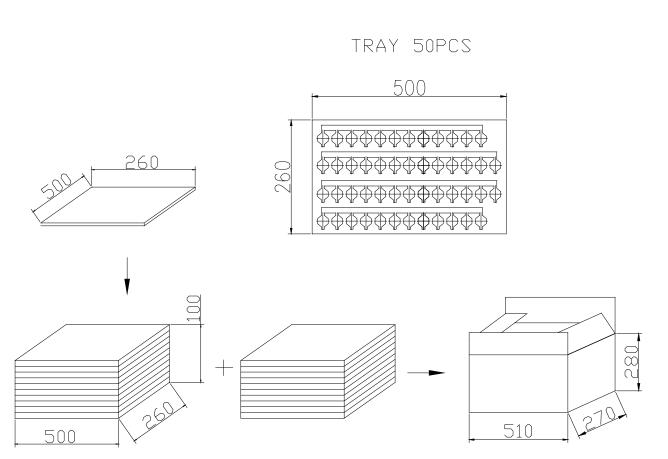


no	item	material	quantity
1	РСВ	FR-4	1
2	Frame	SPCC	1
3	Main Magnet	Φ9.5×1.5-N38	1
4	Plate	φ9.7×0.5 SPCC	1
5	Voice Coil	Copper	1
6	Diaphragm	PET	1
7	Gasket	black paper	1
8	Silk Screen	black cloth	1



MODEL: SP-2805-1 PRODUCT: Dynamic Speaker EDITION: A/2016

PACKING



50PCS×10=500PCS

TRAY	500X260X10mm	1X50PCS=50PCS
CARTON BOX	510X270X280mm	20X50PCS=1000PCS