

TMB12A Series

FEATURES

- Small size and Lightweight
- Wave soldering and washing
- high reliable and long life
- Low voltage and low drain

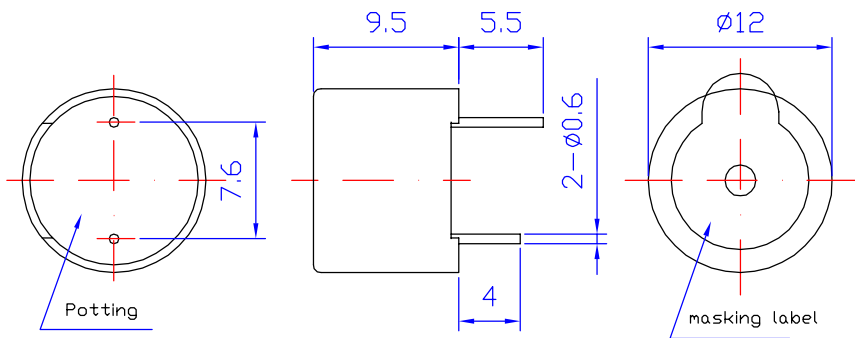
APPLICATIONS

- Electronic instrument, medical instrument
- Computer and peripheral units
- Various home appliances, office equipment
- Cash register, Credit card readers

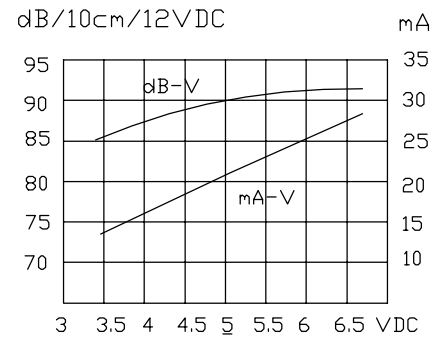


NORYL Housing material, Black
Connect Leads: Pins

DIMENSIONS (unit in mm)



CHARACTERISTICS
(TMB12A2305PX)



SPECIFICATIONS (all data taken at 25 °C unless otherwise specified)

Part number	Unit	TMB12A2301PX	TMB12A2303PX	TMB12A2305PX	TMB12A2312PX
Rated Voltage	V	1.5	3	5	12
Operating Voltage	V	1.2 ~ 2	2 ~ 5	3 ~ 7	9 ~ 15
* Max. Rated Current	mA	20	30		
* Min. Sound Output	dB	80 at 10 cm	85 at 10 cm		
Resonant Frequency	Hz	2300 ± 400	2300 ± 300		
Operating Temperature	°C	-20 ~ +70	-20 ~ +70	-20 ~ +70	-20 ~ +70
Storage Temperature	°C	-30 ~ +80	-30 ~ +80	-30 ~ +80	-30 ~ +80
Weight	g	2	2	2	2

* Value applying rated voltage, DC