

## TECHNICAL DATA OF R4012A1(PLASTIC CASE)

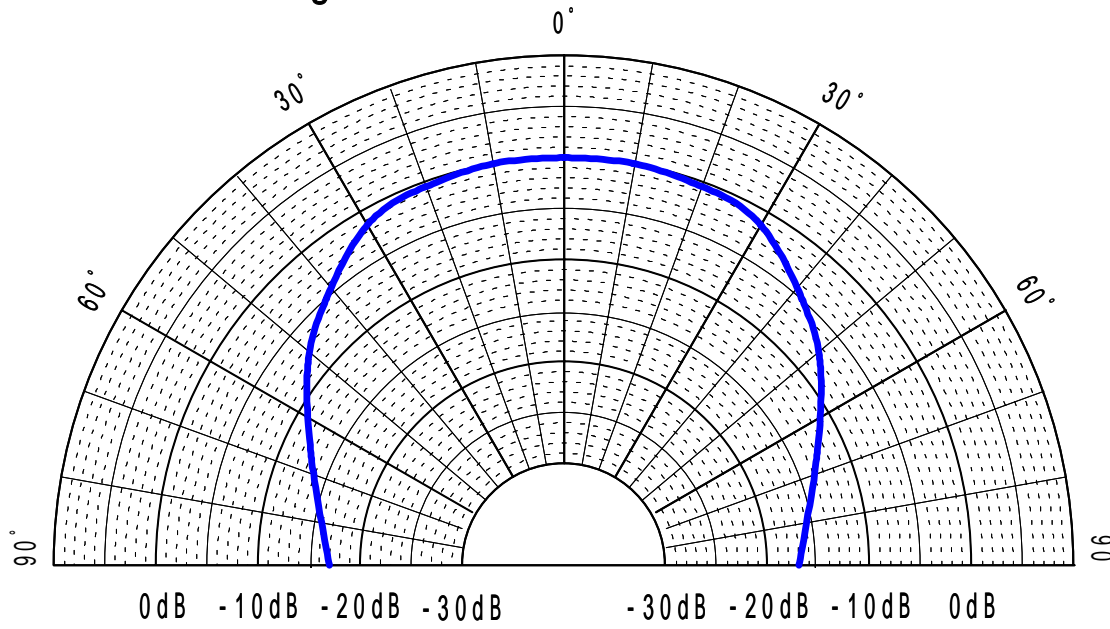
### (1) Electrical Characteristics

Part Number	R4012A1 Receiver
1 Sensitivity at 40kHz (TYP.) (dB) (min. ~ max.)	-63.4 -64.5 ~ -62.0
2 Anti-Resonant Frequency (TYP.) (kHz) (min. ~ max.)	40.1 39.9 ~ 40.2
3 Anti-Resonant Impedance (TYP.) ( ) (min. ~ max.)	8100 7700 ~ 8400
4 Capacitance at 1kHz (TYP.) (pF) (min. ~ max.)	1600 1500 ~ 1720
Samples (pcs)	10

Sensitivity : 0dB=1V/  $\mu$ bar , RL=3.9k , Distance 30cm

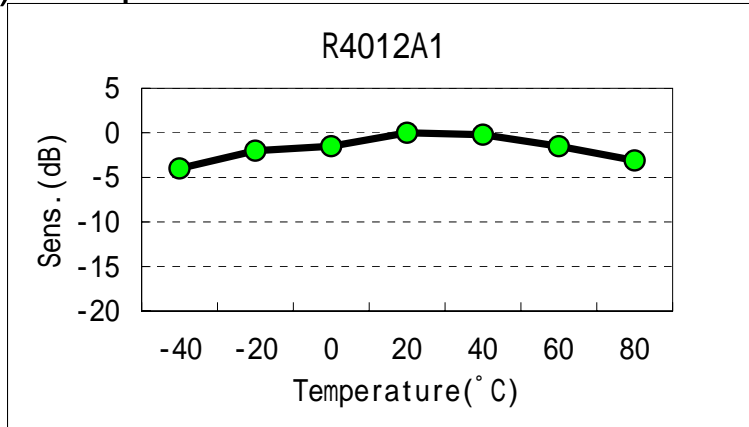
## (2) Directivity

-6dB Full Angle :  $85^\circ$

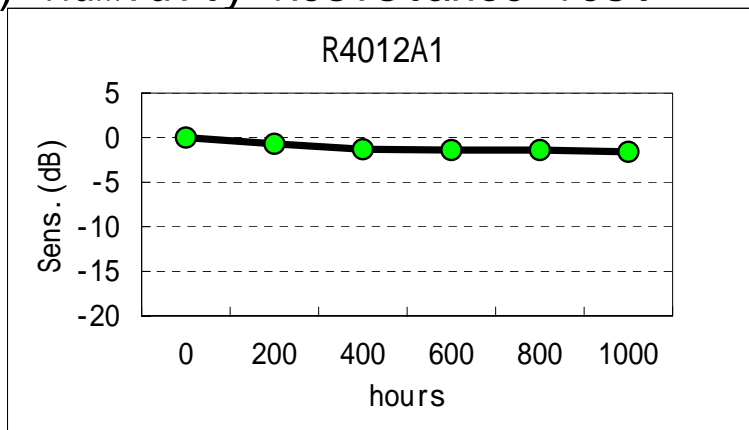


### (3) Environmental Characteristics

#### (a) Temperature Characteristics

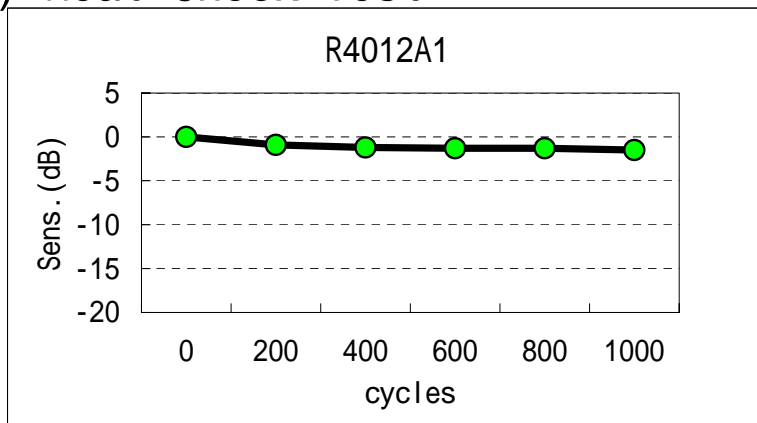


#### (b) Humidity Resistance Test



$40 \pm 2^\circ \text{C}$   
 90 ~ 95%RH  
 1000hours

#### (c) Heat Shock Test



With  $-30^\circ \text{C}$  (1hr)  
 and  $85^\circ \text{C}$  (1hr)  
 as one cycle.  
 1000cycles

# 40kHz 12 Receiver

