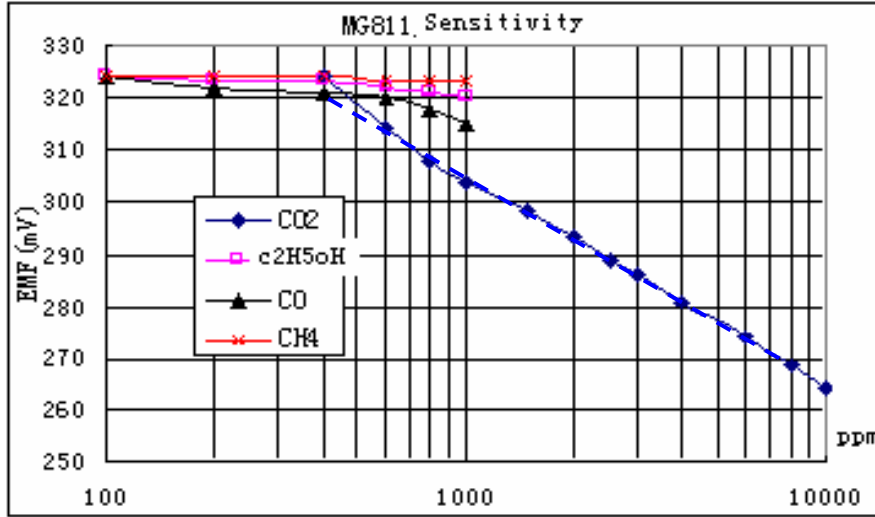


MG811 Sensitivity Curve

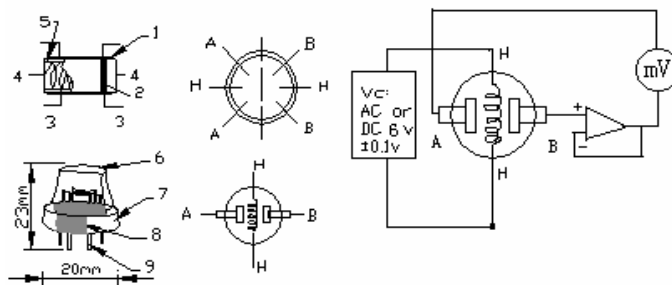
v drop EMF ppm  
 0.324 400  
 0.02 0.304 1000  
 0.044 0.28 4000



slope 400-1000ppn (0.324 -0.304)/(2.602-3.000)= -0.050 volts/ppm  
 slope 400-4000ppn (0.324 -0.280)/(2.602-3.602)= -0.044

sensitivity curve  
 slope 400-1000ppn EMF = -0.05 \*ppm(log) + 0.304( @ 1000ppm)  
 ppm=(EMF-0.304)/(-0.05)+2.602(@400ppm)

MG811 Sensitivity Curve			10^ppm		gain 実験		
Vout	DC Gain	EMF(V)	log_ppm	ppm	in	out	gain
3.30	9	0.367	1.632	43			
3.25		0.361	1.759	57	0.350	3.13	8.94
3.20		0.356	1.885	77	0.330	2.89	8.76
3.15		0.350	2.011	103	0.320	2.80	8.75
3.10		0.344	2.137	137	0.346	3.09	8.93
3.05		0.339	2.264	183			
3.00		0.333	2.390	245			
2.95		0.328	2.516	328			
2.90		0.322	2.642	439			
2.85		0.317	2.769	587			
2.80		0.311	2.895	785			



H-H = 6.0V  
 A-B 出力電圧 これをGain8.5でVoutへ

