

1)

	Forward Biased	Reverse Biased
Vdiode	608,9	0.0

2)

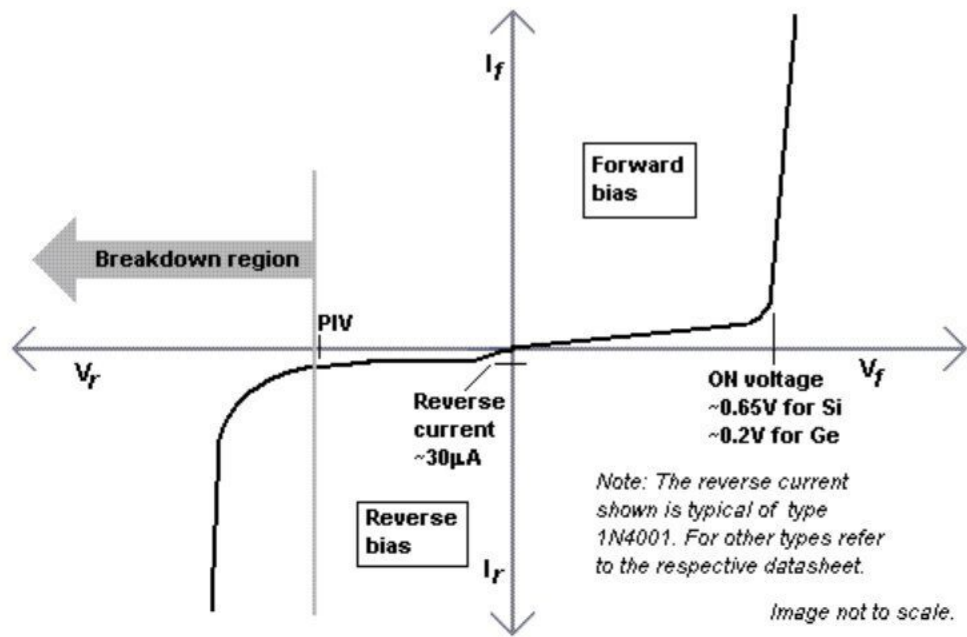
Circuit fig.6a R=220 Ω

Diode Volts	diyote Volts (measured)	Current
.35	.348	0
.40	.3977	.0164 ma
.45	.4505	.0418 ma
.50	.5019	.1136 ma
.55	.5531	.2753 ma
.60	.6072	.7353 ma
.65	.6572	1.9214 ma
.70	.7048	5.9214 ma
.75	.749	13.005 ma
.80	.801	28.22 ma
.85	.8541	50.56 ma
.90	.895	80.69 ma

3) Aynı devreyi R.= 1 M Ω ile kurduğumuzda

Source Voltage	Silicon diyote 1N4148		
	Vresistor(measured)	Vdiode (calculated)	Idiode(Calculated)
0	0	0	0
-1	0.475 mv	-0.99	0.99 ma
-2	0.515 mv	-1.994	1.994 ma
-3	5.58 mv	-2.994	2.994
-4	5.87 mv	-3.994	3.994
-5	6.9 mv	-4.993	4.993
-10	7.28 mv	-9.992	9.992
-15	8.35 mv	-14.991	14.991
-20	9.04	-19.99	19.991
-25	9.62	24.9038	24.9038

4)



5)

