

CDI CONTROL SYSTEM IC

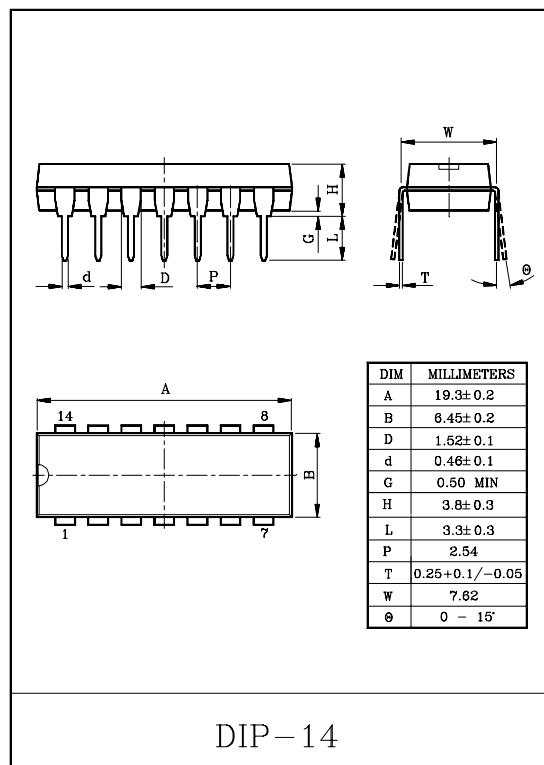
The KIA6988P is designed for motor cycle condenser discharge ignition system application

FEATURES

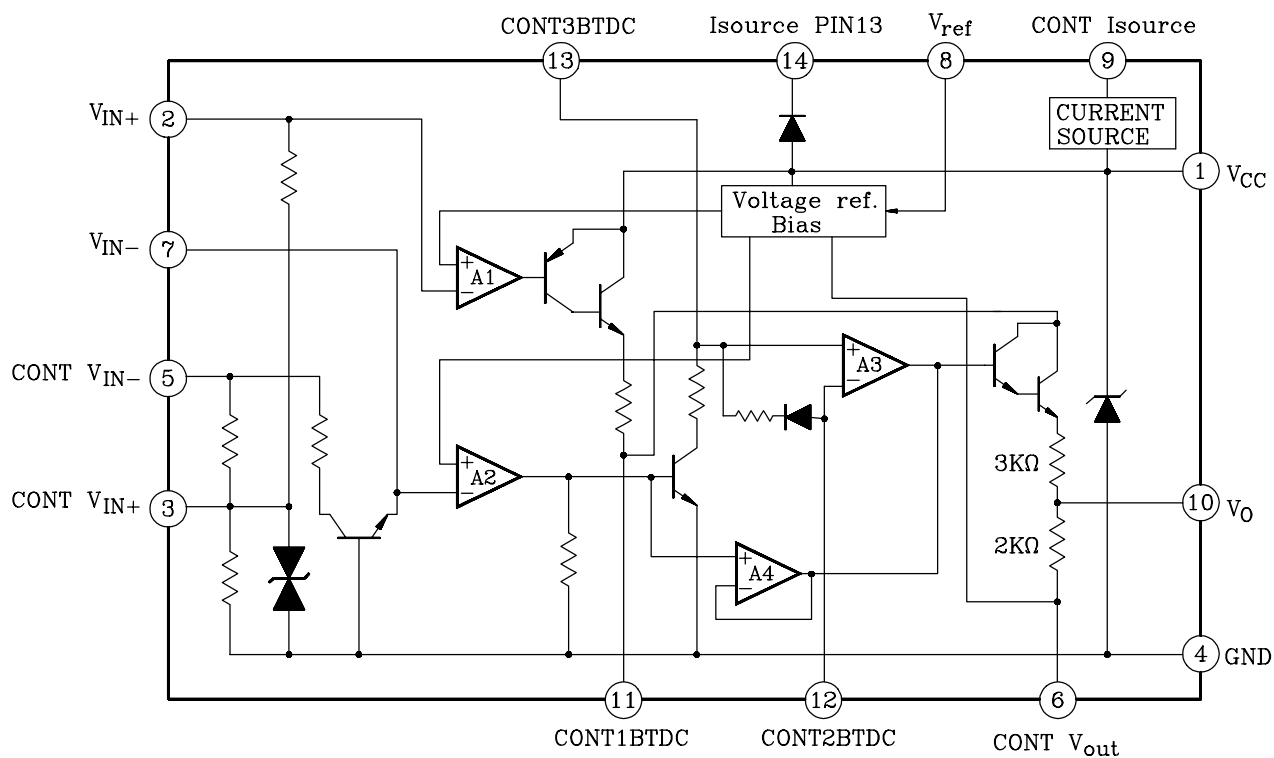
- 14-Pin Dual in line Package.

MAXIMUM RATINGS (Ta=25°C).

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Current	I_{CC}	30	mA
Power Dissipation	P_D	480	mW
Operating Temperature	T_{opr}	-20~85	°C
Storage Temperature	T_{stg}	-55~125	°C

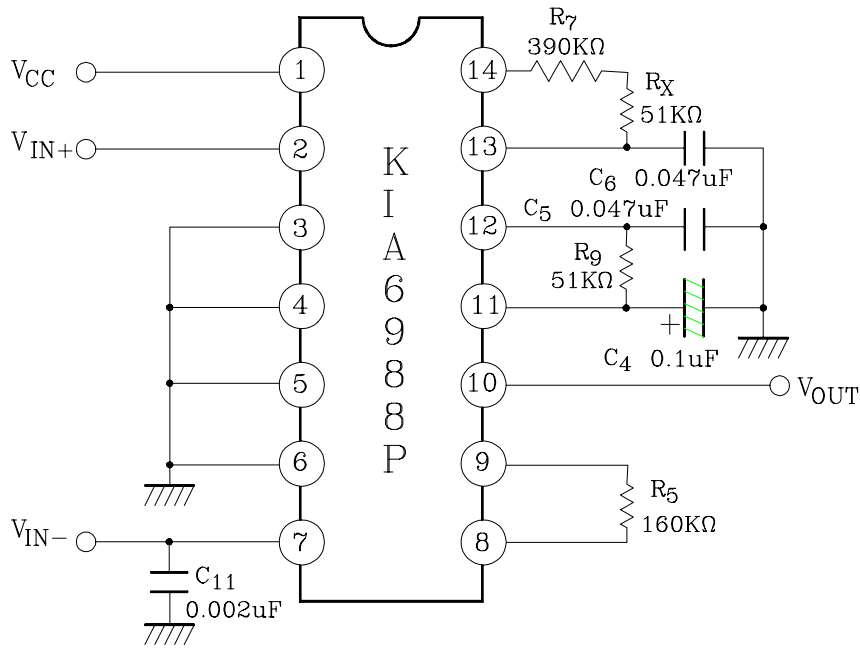


BLOCK DIAGRAM



KIA6988P

TEST CIRCUIT



ELECTRICAL CHARACTERISTICS (Ta=25℃, VCC=8.8V)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Regulated Voltage	V_Z	$I_{CCZ}=2mA$	7.8	8.6	9.4	V
② pin V_{IN} ON	V_{INH+}	$V_{IN7}=-0.2V$	0.7	-	-	V
② pin V_{IN} OFF	V_{INL+}	$V_{IN7}=-0.2V$	-	-	0.4	V
⑦ pin V_{IN} ON	V_{INH-}	$V_{IN2}=0.85V$	-1.0	-	-0.2	V
⑦ pin V_{IN} OFF	V_{INL-}	$V_{IN2}=0.85V$	0.7	-	-	V
⑧ pin V_{OUT} HIGH	V_{OH8}	$V_{IN2}=0.85V, V_{IN7}=-0.2V$	1.0	1.3	1.6	V
⑧ pin V_{OUT} LOW	V_{OL8}	$V_{IN2}=0V, V_{IN7}=-0.2V$	0.6	0.9	1.2	V
⑩ pin OUTPUT CURRENT	I_{OH10}	$V_{IN2}=0.85V, V_{IN7}=-0.2V$	1.9	2.5	-	mA
⑩ pin V_{OUT} HIGH	V_{OH10}	$V_{IN2}=0.85V, V_{IN7}=-0.2V, I_L=0mA$	2.4	3.0	4.5	V
⑩ pin V_{OUT} LOW	V_{OL10}	$V_{IN2}=0V, V_{IN7}=-0.2V, I_L=0mA$	-	-	0.4	V
⑪ pin V_{OUT} HIGH	V_{OH11}	$V_{IN2}=0.85V, V_{IN7}=-0.2V$	-	7.8	-	V
⑫ pin V_{OUT} HIGH	V_{OH12}	$V_{IN2}=0.85V, V_{IN7}=-0.2V$	-	3.9	-	V
⑬ pin V_{OUT} HIGH	V_{OH13}	$V_{IN2}=0V, V_{IN7}=0.8V$	-	6.7	-	V
⑬ pin V_{OUT} LOW	V_{OL13}	$V_{IN2}=0.85V, V_{IN7}=-0.2V$	-	0.2	-	V

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APPLICATION CIRCUIT

