



ABSOLUTE MAXIMUM RATINGS (Ta=25℃) PARAMETER SYMBOL RATINGS UNIT ٧٠ v Supply Voltage 8 (DiP8) 500 Power Dissipation PD mW (DMP8) 300 °C. **O**perating Temperature Range Topr $-40 \sim +85$ -40~+125 °C Storage Temperature Range Tstg V*-- i ٧ Maximum Input Voltage Vimax

ELECTRICAL CHARACTERISTICS

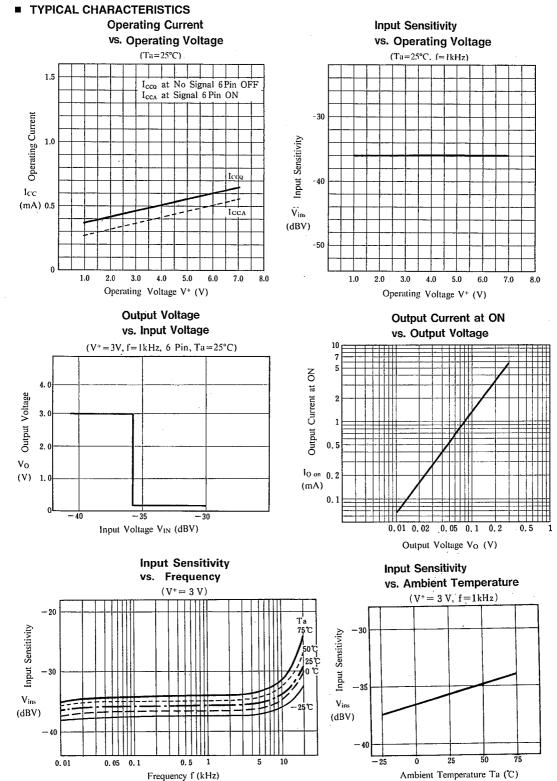
PARAMETER	SYMBOL	TEST CONDITION	MIN.	ТҮР.	MAX.	UNIT
Operating Voltage	V'		0.9	_	7	v
Operating Current	Lee	$V_{1N} = 0 \text{mV rms}, R_{L} = \infty$	0.2	0.55	1.5	mΑ
Input Sensitivity	Vins	f=1kHz	-39	-36	-33	dBV
Attack Time (note 1)	Tate	$C_R = 10\mu F$, f=1kHz		1	25	mSec
Recovery Time (note 2)	Tree	$C_R = 10\mu F$, f=1kHz		2		Sec
Output Current at ON(OUT 1)	I OI on	V_{in} =30mVrms. V_o =0.3V	1	3	—	mA
Output Current at ON(OUT 2)	1 _{O2 on}	$V_{in}=0mVrms, V_o=0.3V$	1	3		mA
Output Current at OFF(OUT1)	Loron	$V_{in}=0mVrms$, $V_o=8V$	-	-	1	μA
Output Current at OFF(OUT2)	LO2 off	$V_{in}=30mVrms$, $V_{o}=8V$	-	_	1	μA
Input Resistance	Rin		16	20	24	kΩ
Charge Current	lchg		1.0	2.0	3.0	μA

(note 1) Attack Time: Period from putting input signal of more than minimum input sensitive signal to output level change. (note 2) Recovery Time: Period from input signal becoming lower than minimum input sensitine signal to output level change.

(Ta=25℃, V⁺=3V)

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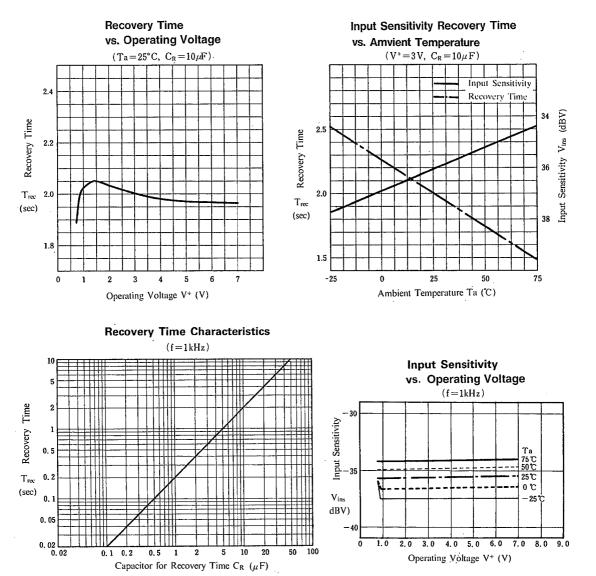
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Ambient Temperature Ta (°C)

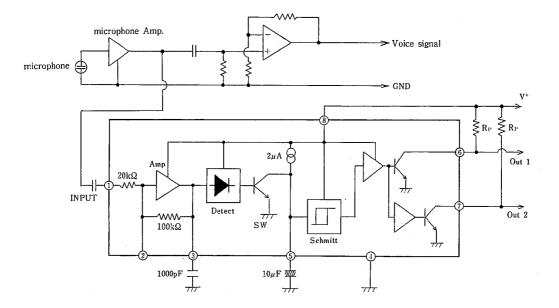
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TYPICAL CHARACTERISTICS



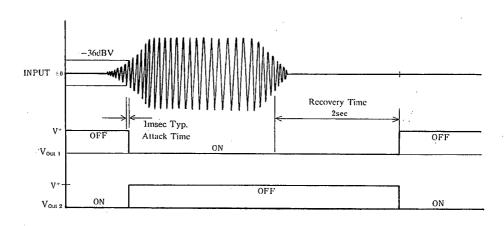
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TYPICAL APPLICATIONS



Pins 6 and 7 show an open collector. Mount resistor R_p shown by the following equation. $R_p{=}(V^+{}_{MIN}{-}0.2)/0.3~(k\Omega)$

Resistor R_P to pin 7 is omissible, if pin 6 only is used. But resistor R_P to pin 6 should be put when Out 2 only is used. V^+_{MIN} is minimum supply voltage.



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MEMO

[CAUTION] The specifications on this databook are only given for information , without any guarantee as regards either mistakes or omissions. The application circuits in this databook are described only to show representative usages of the product and not intended for the guarantee or permission of any right including the industrial rights.

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