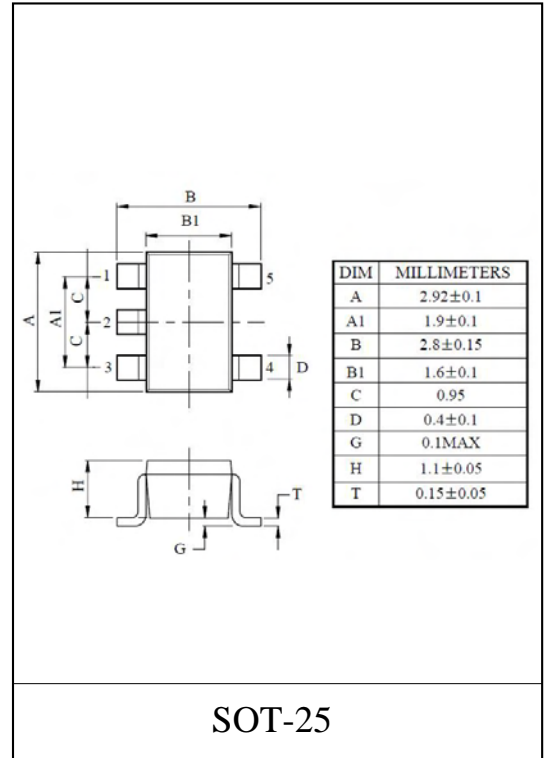
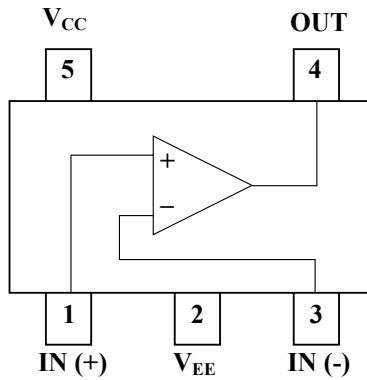


Single Operational Amplifier

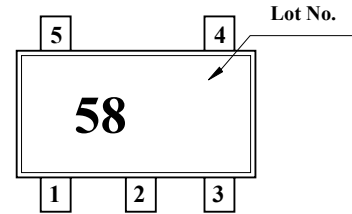
- Differential Input Voltage Range Equal to the Power Supply Voltage
- Wide Power Supply Voltage Range and Signal Power Supply : Single Supply 3V to 36V
Dual Supply $\pm 1.5V$ to $\pm 18V$
- Large Output Voltage Swing : $0V$ to $V_{CC}-1.5V$
- Low Input Biasing Current : $I_I = 45nA$ (Typ.)



Pin Connection (Top View)



Marking (Top View)



Maximum Rating (Ta=25°C)

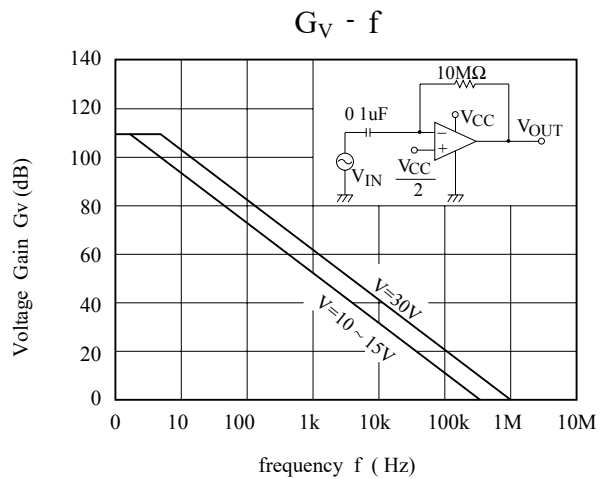
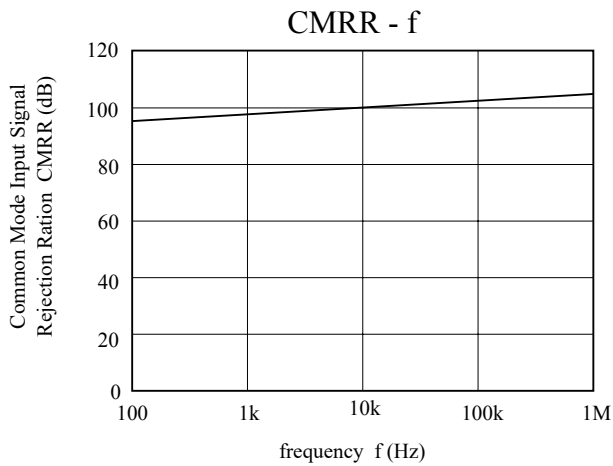
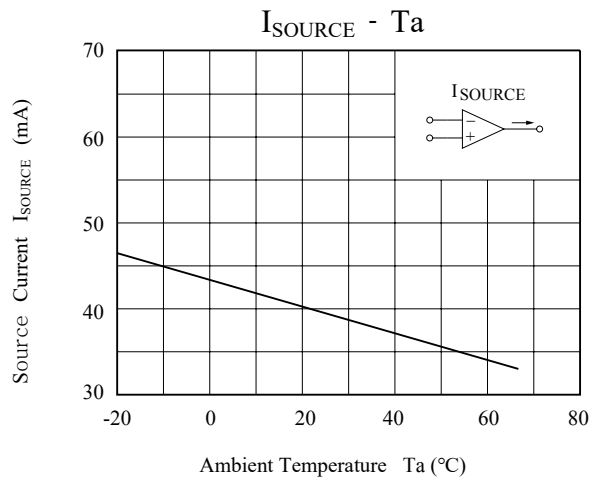
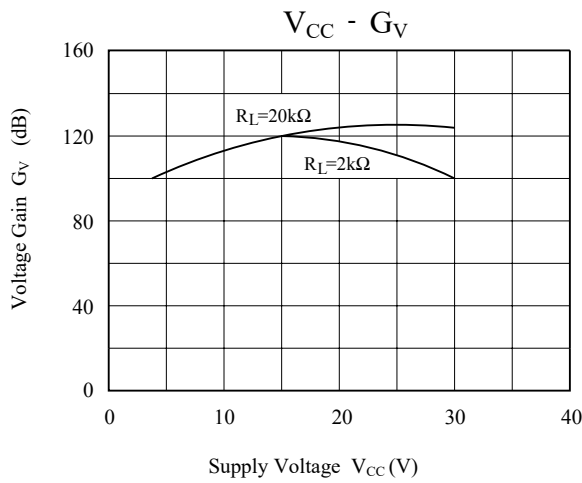
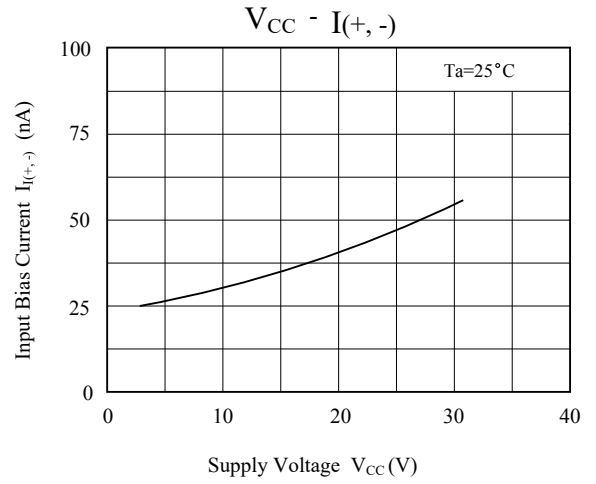
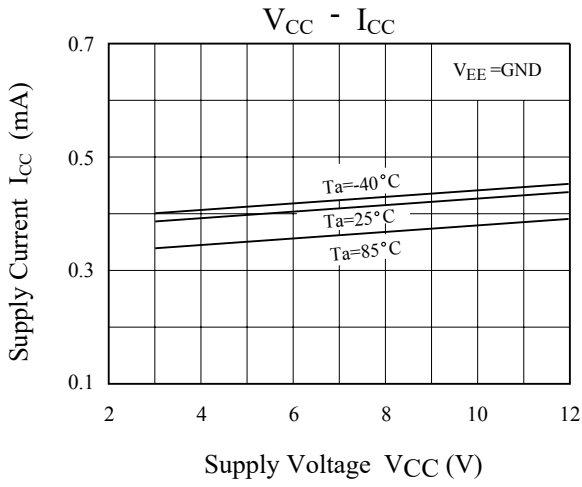
Characteristics	Symbol	Rating	Unit
Supply Voltage	V _{CC}	36, +18	V
	V _{EE}	0, -18	
Differential Input Voltage	DV _{IN}	±3.6	V
Input Voltage	V _{IN}	-0.3 ~ 3.6	V
Power Dissipation	P _D	200	mW
Operating Temperature	T _{opr}	-40 ~ 85	°C
Storage Temperature	T _{stg}	-55 ~ 125	°C

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Electrical Characteristic : $V_{CC}=5V$, $V_{EE}=GND$, $T_a=25^\circ C$

Characteristics	Symbol	Test Condition	Min.	Typ.	Max..	Unit
Input Offset Voltage	V_{IO}	$R_L \leq 10k\Omega$	-	2	7	mV
Input Offset Current	I_{IO}		-	5	30	nA
Input Bias Current	I_I		-	45	150	nA
Common Mode Input Voltage	CMV_{IN}	$V_{CC}=30V$, $V_{EE}=GND$	0	-	$V_{CC}-1.5$	V
Supply Current	I_{CC} , I_{EE}	$R_L = \infty$, All OP Amps	-	0.4	0.8	mA
Voltage Gain	G_V	$R_L \geq 2k\Omega$	86	100	-	dB
Maximum Output Voltage Swing	V_{OP-P}	$R_L = 2k\Omega$	0	$V_{CC}-1.5$	-	V
Common Mode Input Signal Rejection Ratio	CMRR		60	85	-	dB
Supply Voltage Rejection Ratio	SVRR	$R_g = 10k\Omega$	60	100	-	dB
Source Current	I_{SOURCE}	$-IN=0V$, $+IN=1V$	20	40	-	mA
Sink Current	I_{SINK}	$-IN=1V$, $+IN=0V$	10	20	-	mA

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