

/ Descriptions

SOP-8

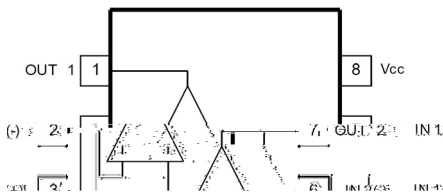
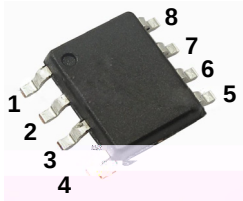
Dual Operational Amplifiers in a SOP-8 Plastic Package.

/ Features $\pm 4 \sim \pm 18V$

Large common mode and differential voltage range, Gain and phase match between amplifiers, Internally frequency compensated, Low noise input transistors, Operating supply voltage range: ± 4 to $\pm 18V$.

/ Applications

Application areas include transducer amplifier, DC gain blocks and all the conventional OP amp circuits.

/ Equivalent Circuit**/ Pinning**

PIN

/ PIN See Equivalent Circuit.

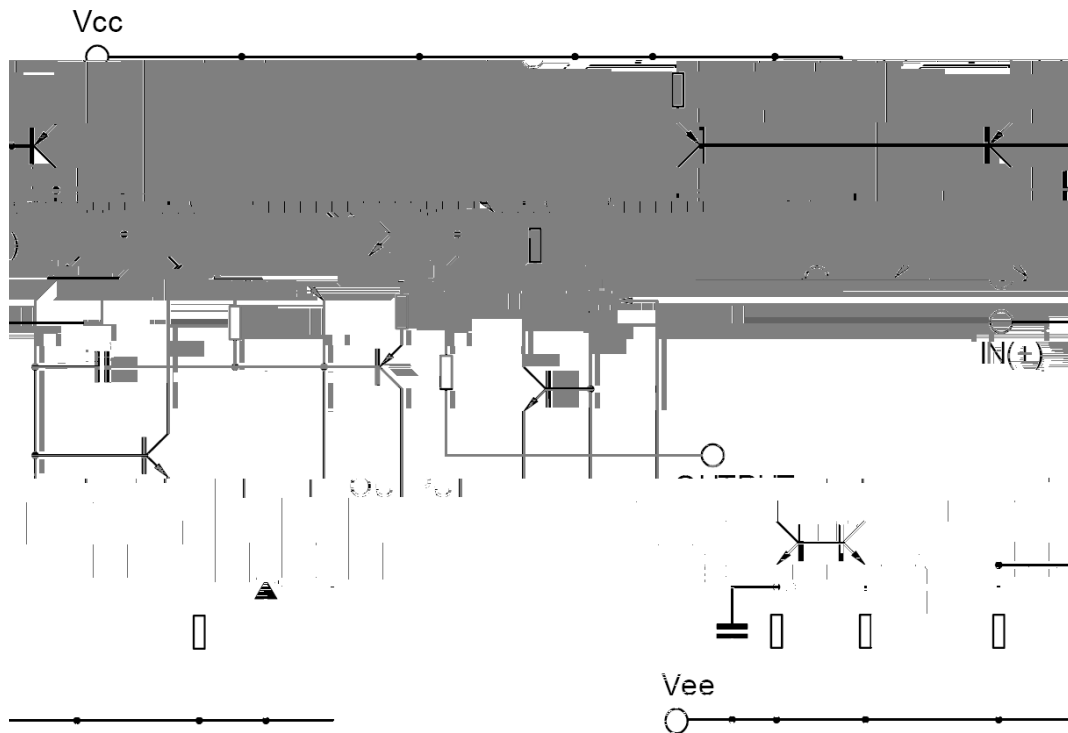
/ Marking

/ See Marking Instructions

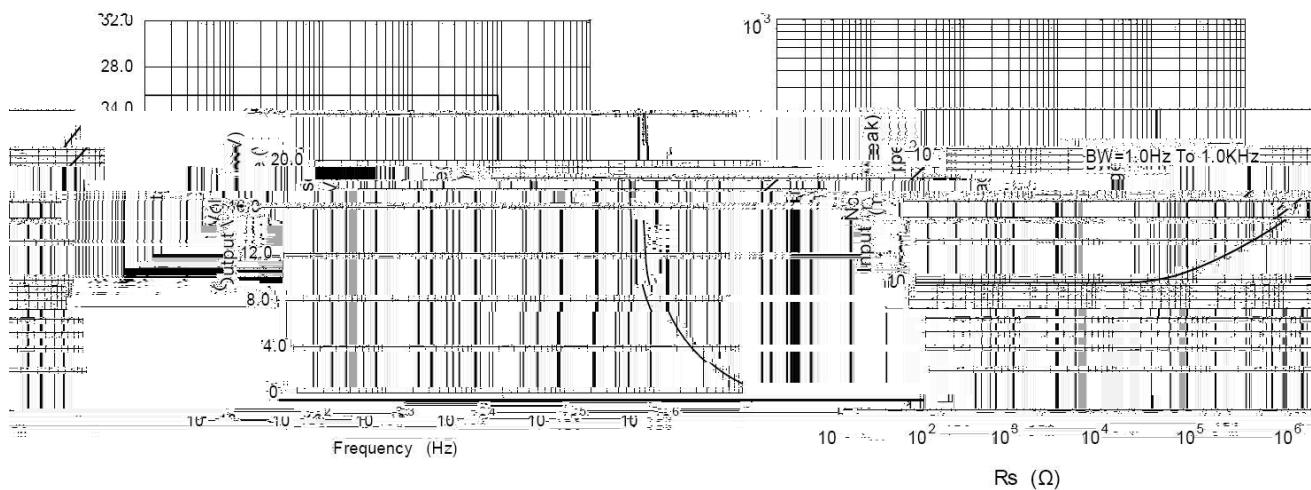
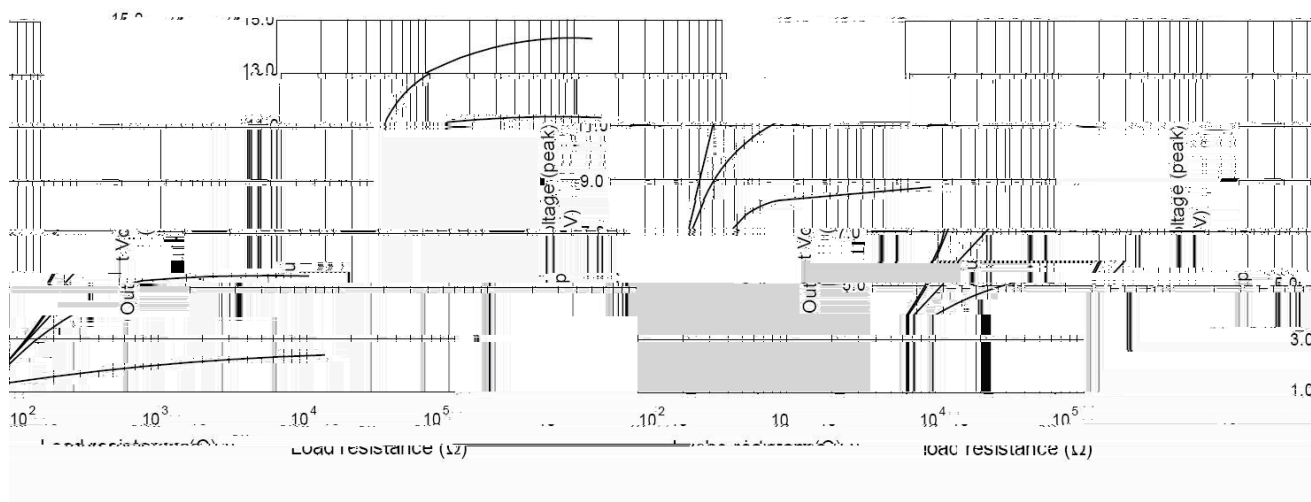
Parameter	Symbol	Rating	Unit
Supply Voltage	V_{CC}	± 22	V
Differential input voltage	$V_{I(DIFF)}$	± 18	V
Input Voltage	V_I	± 15	V
Power Dissipation	P_D	300	mW
Operating Temperature	T_{opr}	-40 ~ 85	
Storage Temperature	T_{stg}	-40 ~ 125	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input offset voltage	V_{IO}	$V_{CC}=15V$ $V_{EE}=-15V$				

/ Functional Block Diagram



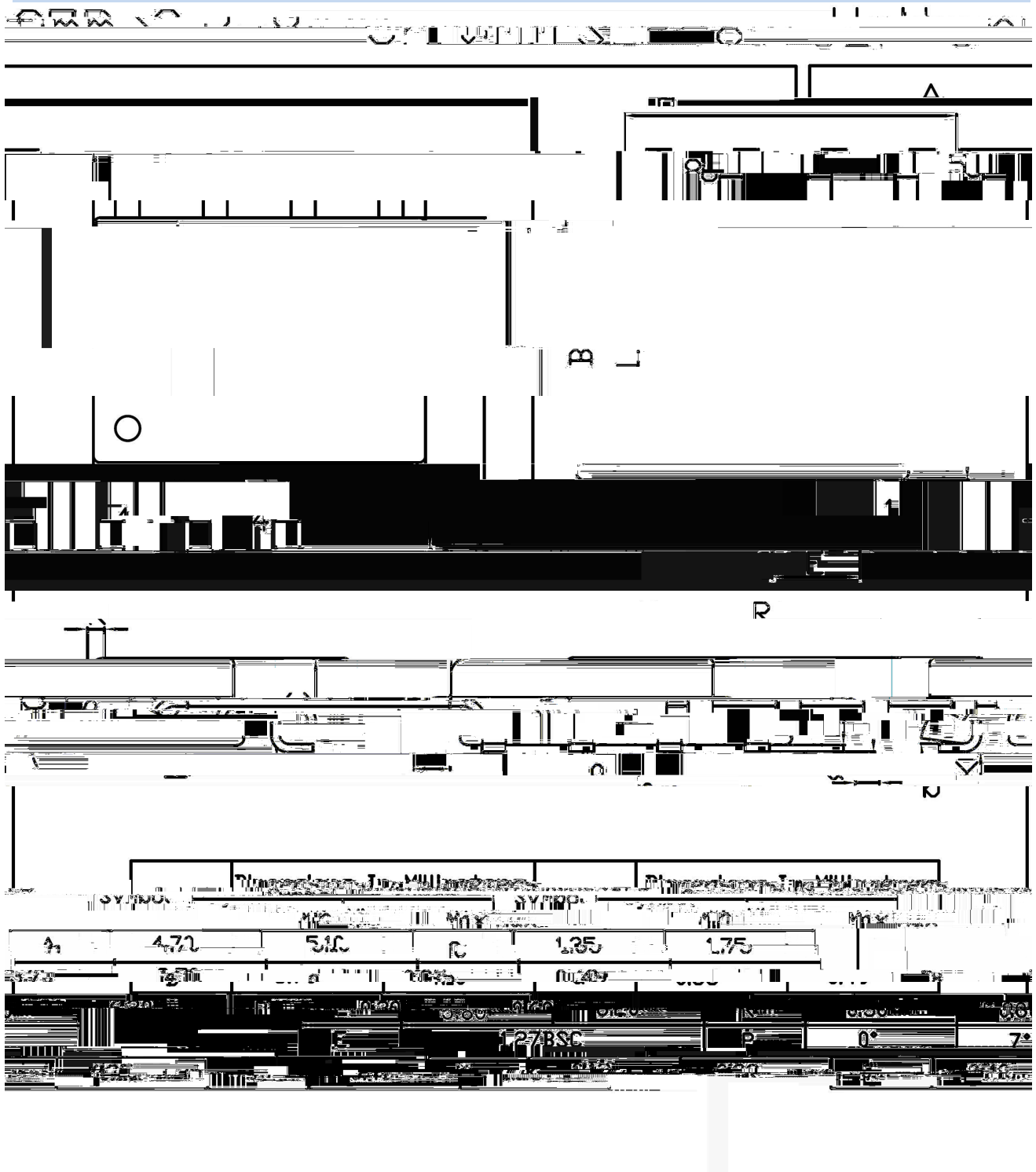
/ Electrical Characteristic Curve



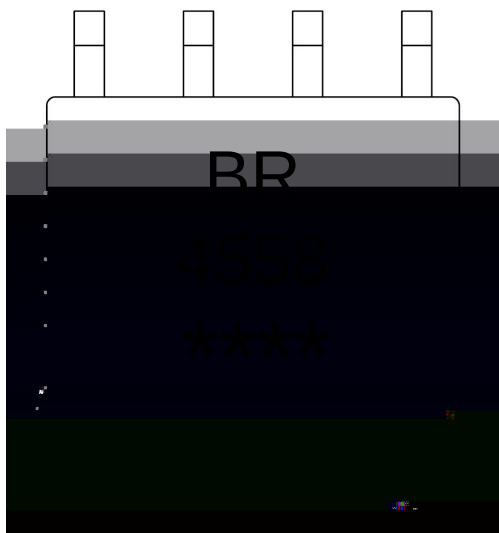
BROP4558SC

Rev.E Oct.-2018

/ Package Dimensions



/ Marking Instructions



BR

4558

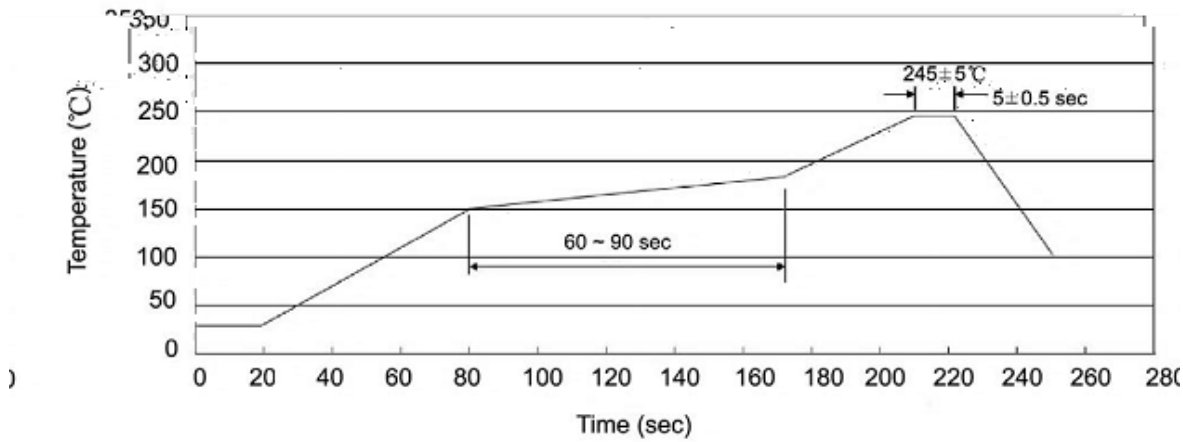
Note:

BR: Company Code.

4558: Product Type.

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units 包装数量	Dimension 包装尺寸 (unit: mm ³)
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