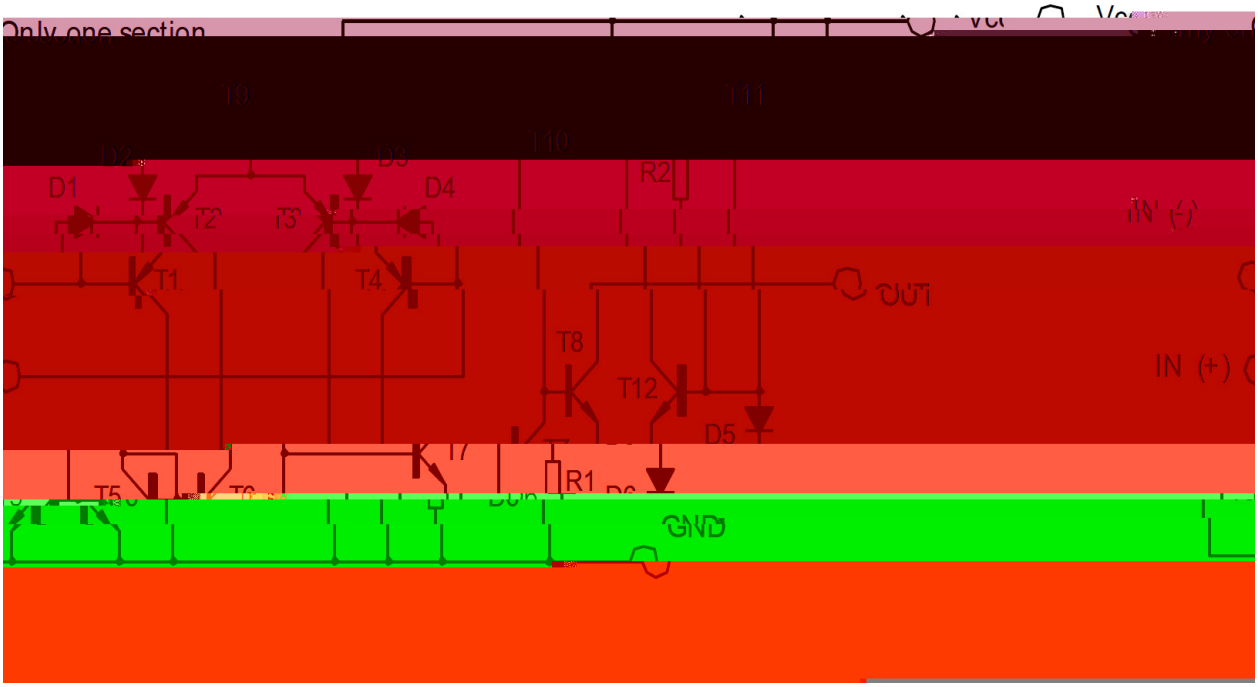
SOP-8 Dual Voltage Comparator in a SOP-8 Plastic Package.

V_{CC}=2V~36V V_{CC}= ±1V~±18V

I_{CC}=0.8mA
Ibias=25nA
TTL DTL CMOS

Wide operating supply range, Single or dual supply operation(V_{CC}=2V~36V or V_{CC}= ±1V~±18V).
Input common-mode voltage includes ground.
Low supply current drain: Icc=0.8mA(Typical).
Low input bias current Ibias=25nA(Typical).

/ Functional Block Diagram



BROP393SC
Rev. D Aug.-2019

/ Electrical Characteristic Curve

Fig.7 voltage Follower pulse response (small signal)

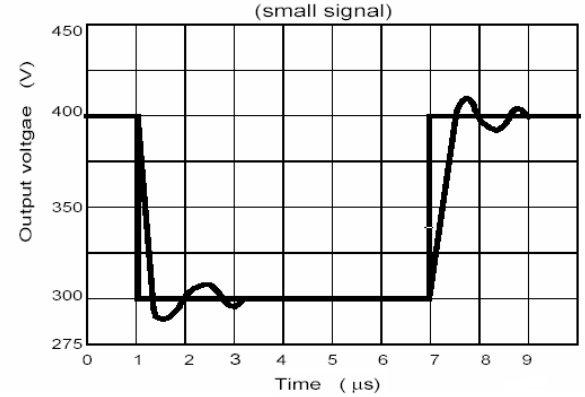


Fig.8 Large signal Frequency Response

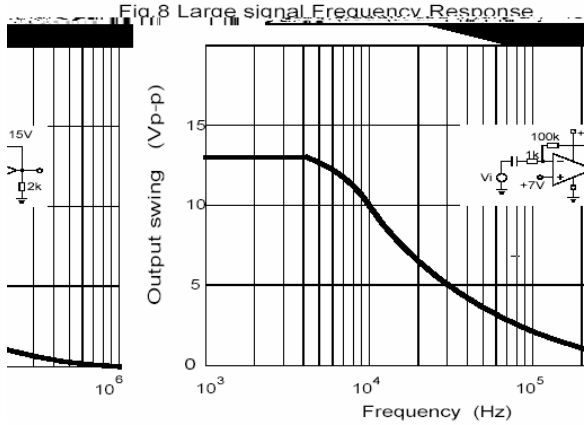




Fig.10 Output Characteristics Current sinking

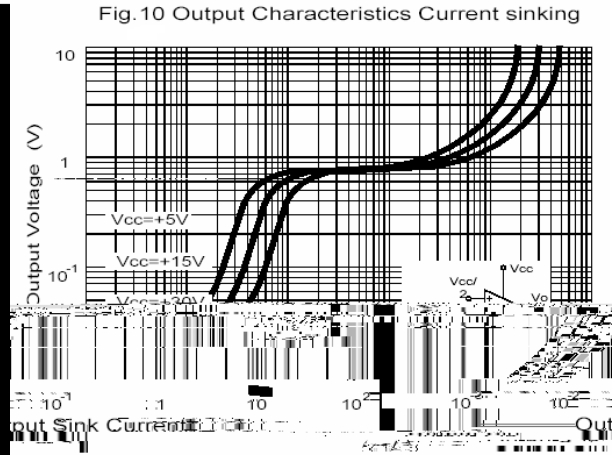
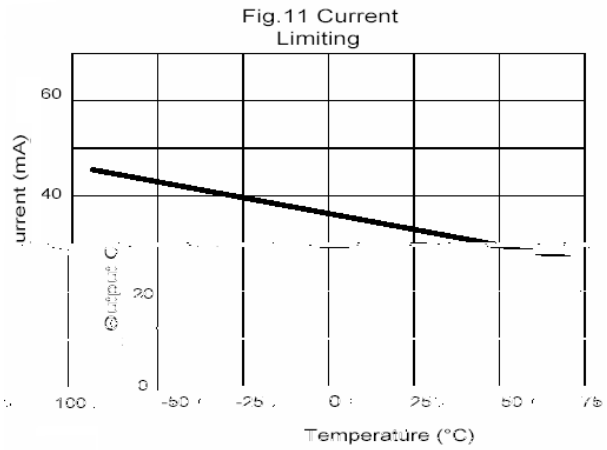
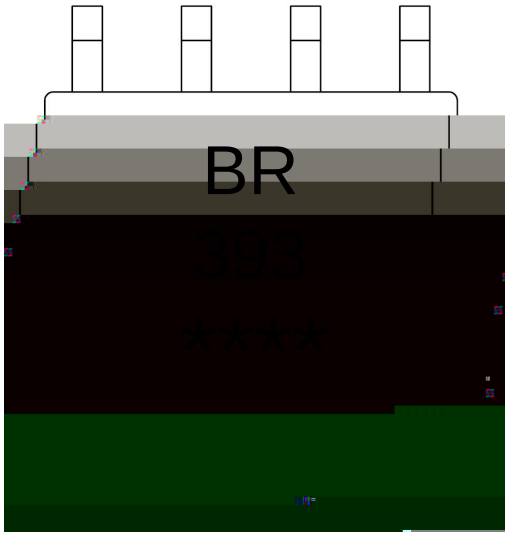


Fig.11 Current Limiting



/ Marking Instructions



BR

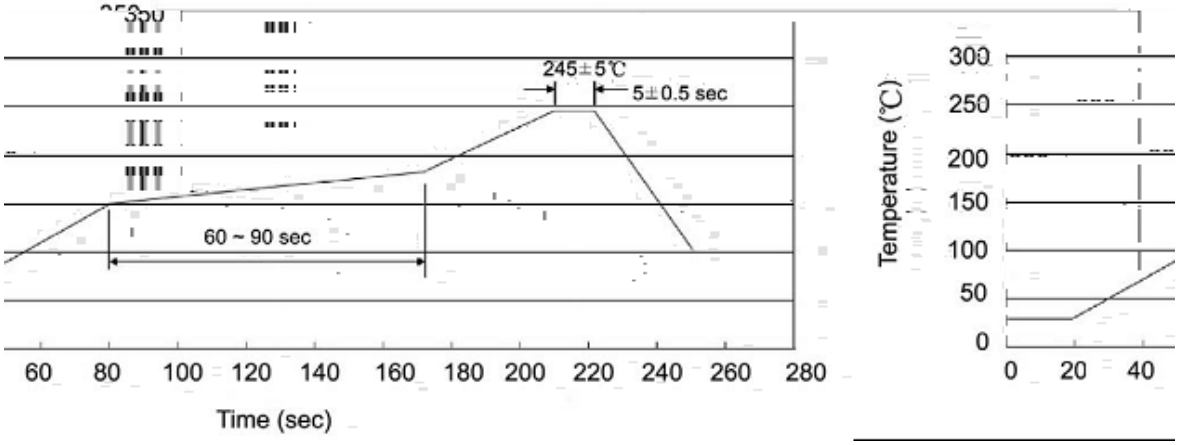
393

****

Note:

BR:	Company Code.
393:	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	Units					Dimension		(unit mm^3)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOP/ESOP-8	4,000	2	8,000	6	48,000	13 ×12	360×360×50	380×335×366