

### NJRC's NJM2903 Series Comparators vs. Those From National

Parameter (@V+=5V, Ta=25°C)	NJRC				National				Unit
	NJM2903		NJM2903G		LM2903		LM393		
	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
Input Offset Voltage	2	7	1	✓ 2.5 *	2	7	1	5	mV
Input Offset Current	5	50	5	50	5	50	5	50	nA
Input Bias Current	30	250	30	250	25	250	25	250	nA
Input Common Voltage Range	0~3.5	-	0~3.5	-	0~3.5	-	0~3.5	-	V
Large Signal Voltage Gain(R <sub>L</sub> =15KΩ)	100	-	100	-	100	-	106	-	dB
Response Time	1.5	-	1.5	-	1.5	-	1.3	-	μsec
Output Sink Current	6	16	6	16	6	16	6	16	mA
Output Saturation Voltage	-	400	-	400	-	400	-	400	mV
Supply Current	0.4	1	0.4	1	0.4	1	0.4	1	mA
Operational Temperature Range	✓ -40 to 85		✓ -40 to 85		-40 to 85		0 to 70		°C

✓ Advantage: **NJRC**

\* Refers to surface mount package. V<sub>IO</sub> for DIP package is 5mV.

NOTE: This data has been extracted from NJRC Bipolar IC and National General Purpose Devices databooks