

## EPCOM syscom

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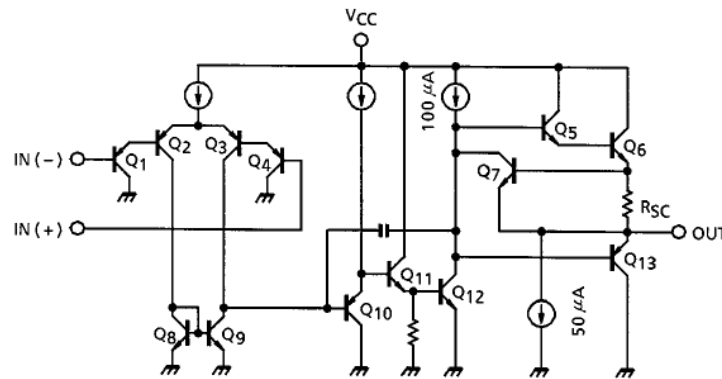
## SYSCOM

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### Equivalent Circuit

### Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Supply voltage	$V_{CC}, V_{EE}$	$\pm 6$ or 12	V
Differential input voltage	$DV_{IN}$	$\pm 12$	V
Input voltage	$V_{IN}$	$-0.3 \sim -V_{CC}$	V
Power dissipation	$P_D$	250	mW
Operating temperature	$T_{opr}$	$-40 \sim 85$	°C
Storage temperature	$T_{stg}$	$-55 \sim 125$	°C

### Electrical Characteristics (VCC = 5V, VEE = GND, Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Input offset voltage	$V_{IO}$	1	$R_g \leq 10k\Omega$	—	2	7	mV
Input offset current	$I_{IO}$	2	—	—	5	50	nA
Input bias current	$I_I$	2	—	—	45	250	nA
Common mode input voltage	$CMV_{IN}$	3	—	0	—	$V_{CC} - 1.5$	V
Supply current	$I_{CC}$	4	—	—	0.7	1.2	mA
Voltage gain	$G_V$	—	$R_L \geq 2k\Omega$	86	100	—	dB
Maximum output voltage swing	$V_{op-p}$	5	$R_L = 2k\Omega$	0	—	3.4	V
Common mode rejection ratio	CMRR	3	—	65	85	—	dB
Supply voltage rejection ratio	SVRR	—	$R_g = 10k\Omega$	65	100	—	dB
Source current	$I_{source}$	6	$IN(-) = 0V, IN(+)= 1V$	20	40	—	mA
Sink current	$I_{sink}$	7	$IN(-) = 1V, IN(+)= 0V$	10	20	—	mA
Unity gain cross frequency	$f_T$	—	—	—	0.3	—	MHz

# NXR-810

## PARTS LIST

FINAL UNIT (X45-3930-XX)  
CONTROL UNIT (X53-4490-10)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R1			RK73GB2A181J	CHIP R 180 J 1/10W	K2	R235,236			RK73PB2H100J	CHIP R 10 J 1/2W	
R1			RK73GB2A271J	CHIP R 270 J 1/10W	K	R237			RK73GB2A274J	CHIP R 270K J 1/10W	
R2			RK73GB2A180J	CHIP R 18 J 1/10W	K	R351			RK73GB2A000J	CHIP R 0.0 J 1/10W	K2
R2			RK73GB2A270J	CHIP R 27 J 1/10W	K2	R352			RK73GB2A000J	CHIP R 0.0 J 1/10W	K
R3			RK73GB2A181J	CHIP R 180 J 1/10W	K2	R355			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R3			RK73GB2A271J	CHIP R 270 J 1/10W	K	D1			HSM88AS-E	DIODE	
R4			RK73FB2B151J	CHIP R 150 J 1/8W		D2			MA2S111-F	DIODE	
R5			RK73GB2A392J	CHIP R 3.9K J 1/10W		D3			HSM88AS-E	DIODE	
R6			RK73GB2A332J	CHIP R 3.3K J 1/10W		D4-7			L7091CER	DIODE	
R7			RK73GB2A221J	CHIP R 220 J 1/10W		D8			CSA70-401L	SURGE ABSORBER	
R8			RK73GB2A180J	CHIP R 18 J 1/10W		D9			HVC131	DIODE	K
R10			RK73GB2A123J	CHIP R 12K J 1/10W		D201			02DZ6.2F-Y	ZENER DIODE	
R11			RK73FB2B221J	CHIP R 220 J 1/8W		D202			22ZR-10D	SURGE ABSORBER	
R12			RK73GB2A103J	CHIP R 10K J 1/10W		D203			1SS355	DIODE	
R13			RK73RB2H100J	CHIP R 10 J 1/2W		D301			DSA3A1	DIODE	
R14			RK73FB2B221J	CHIP R 220 J 1/8W		IC201,202			TA75W01FUJ	MOS-IC	
R16			RK73RB2H821J	CHIP R 820 J 1/2W		IC203			NJM78M08FA-ZB	ANALOGUE IC	
R17			RK73RB2H5R6J	CHIP R 5.6 J 1/2W		Q1			2SC5092-F	TRANSISTOR	
R18			RK73RB2H821J	CHIP R 820 J 1/2W		Q2	2B		RD01MUS1-T113	FET	
R19			RK73FB2B103J	CHIP R 10K J 1/8W		Q3			PD55008S-E	FET	
R20			RK73EB2E221J	CHIP R 220 J 1/4W		Q4	2B		RD60HUF1-101	FET	
R21			RK73FB2B123J	CHIP R 12K J 1/8W		Q203,204			2SJ484	FET	
R22-25			RK73GB2A000J	CHIP R 0.0 J 1/10W		Q205,206			SSM3K15TE(F)	FET	
R26			RK73FB2B103J	CHIP R 10K J 1/8W		Q207			DTD123EK	DIGITAL TRANSISTOR	
R27			RK73RB2H101J	CHIP R 100 J 1/2W	K2	TH201			S1R103J440H	THERMISTOR	

