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NTE15027 & NTE1826 Integrated Circuit VCR 3 Input Switch

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Supply Voltage, V_{CC}	14V
e_{in}	$5V_{p-p}$
Input Voltage, V_{IN}	3 to $V_{CC} + 0.3V$
Power Dissipation, P_D	500mW
Operating Temperature Range, T_{opr}	-10 to 80°C
Storage Temperature Range, T_{stg}	-50 to 125°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Voltage	V_{CC}		80	20	100	V
Supply Current	I_{CC}	$S_1 = S_2 = 2$ $S_3 = 2$ $S_4 = 2$ $S_5 = 2$ $S_6 = 2$	4.4	5.4	6.8	mA
Frequency Characteristics	O_{F1}	$V_i = 2.5V_{p-p}$ $V_o(20\text{Hz})/V_o(100\text{kHz})$	-	-	± 0.5	dB
	O_{F2}	$V_i = 20V_{p-p}$ $V_o(5\text{MHz})/V_o(100\text{kHz})$				
Insertion Loss	G_L	$V_i = 2.5V_{p-p}$, 100kHz V_o/V_i	-0.5	-0.3	-	dB
Total Harmonic Distortion	THD ₁	$V_i = 2.5V_{p-p}$, 1kHz	-	0.2	0.5	%
	THD ₂	$V_i = 2.0V_{p-p}$, 4.43MHz	-	0.4	1.0	
Crosstalk	C_{R1}	$V_i = 2.0V_{p-p}$, 4.45MHz	-	-	-50	dB
	C_{R2}	$V_i = 2.0V_{p-p}$, 4.45MHz	-	-	-50	dB
Offset Voltage	V_{OFF}	Note 4	-	-	± 15	mV
Impedance	R_i		-	15	-	k Ω
Impedance	R_o		-	10	-	Ω

- Notes**
- 1 A $S_1 = S_4 = 1$ $S_2 = S_3 = S_5 = S_6 = 2$
 B $S_2 = S_5 = 1$ $S_1 = S_3 = S_4 = S_6 = 2$
 C $S_3 = 1$ $S_1 = S_2 = S_4 = S_5 = S_6 = 2$
 - 2 A $S_1 = S_4 = 1$
 B $S_2 = S_5 = 1$
 C $S_3 = 1, S_4 = S_5 = 2$ or 3
 - 3 A $S_6 = 1$
 - 4 A $S_4 = 1$
 B $S_5 = 1$ C $S_4 = S_5 = S_6 = 2$ D $S_6 = 1$

Pin Connection Diagram



