

1. Case Outline : 24-pin (See attached case outline dimensions)
2. Function : Current Amplify
3. Application : Video Projector Use
4. Features : 3-Channels /1 Package for Convergence
5. Maximum Ratings at  $T_a=25^\circ\text{C}$

Item	Symbol	Condition	Rated level	Unit
Maximum supply voltage	VCC		$\pm 3.8$	V
Maximum Collector current	IC	TR 7, 9, 18, 20, 27, 29	5.0	
Thermal resistance	$\theta_{j-c}$	POWER TR (Per element)	3.0	$^\circ\text{C}/\text{W}$
Junction temperature	$T_j$		150	$^\circ\text{C}$
Operating case temperature	$T_c$		105	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-30 to +105	$^\circ\text{C}$

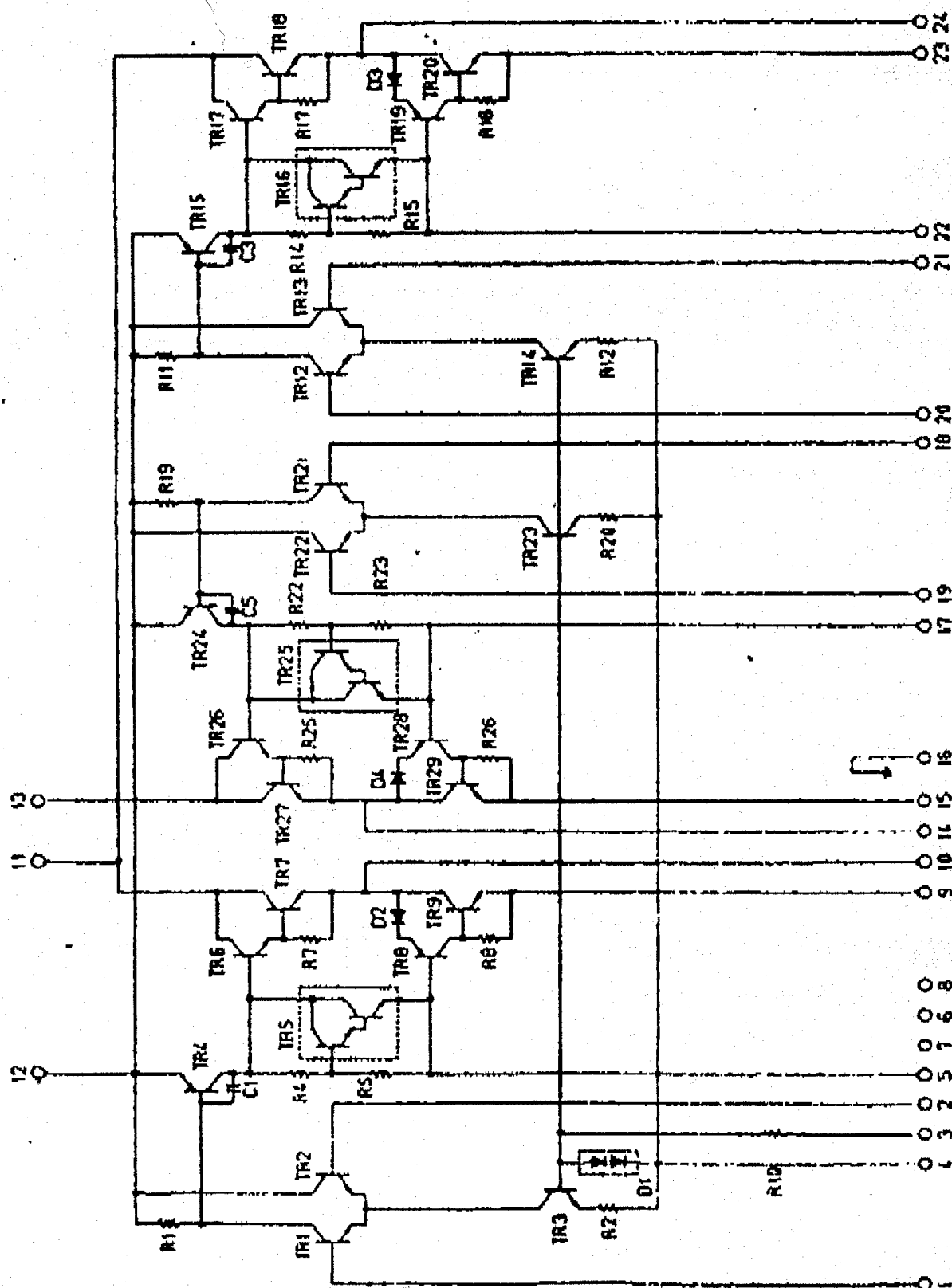
6. Operating Characteristics at  $T_a=25^\circ\text{C}$ ,  $R_g=50\Omega$ .

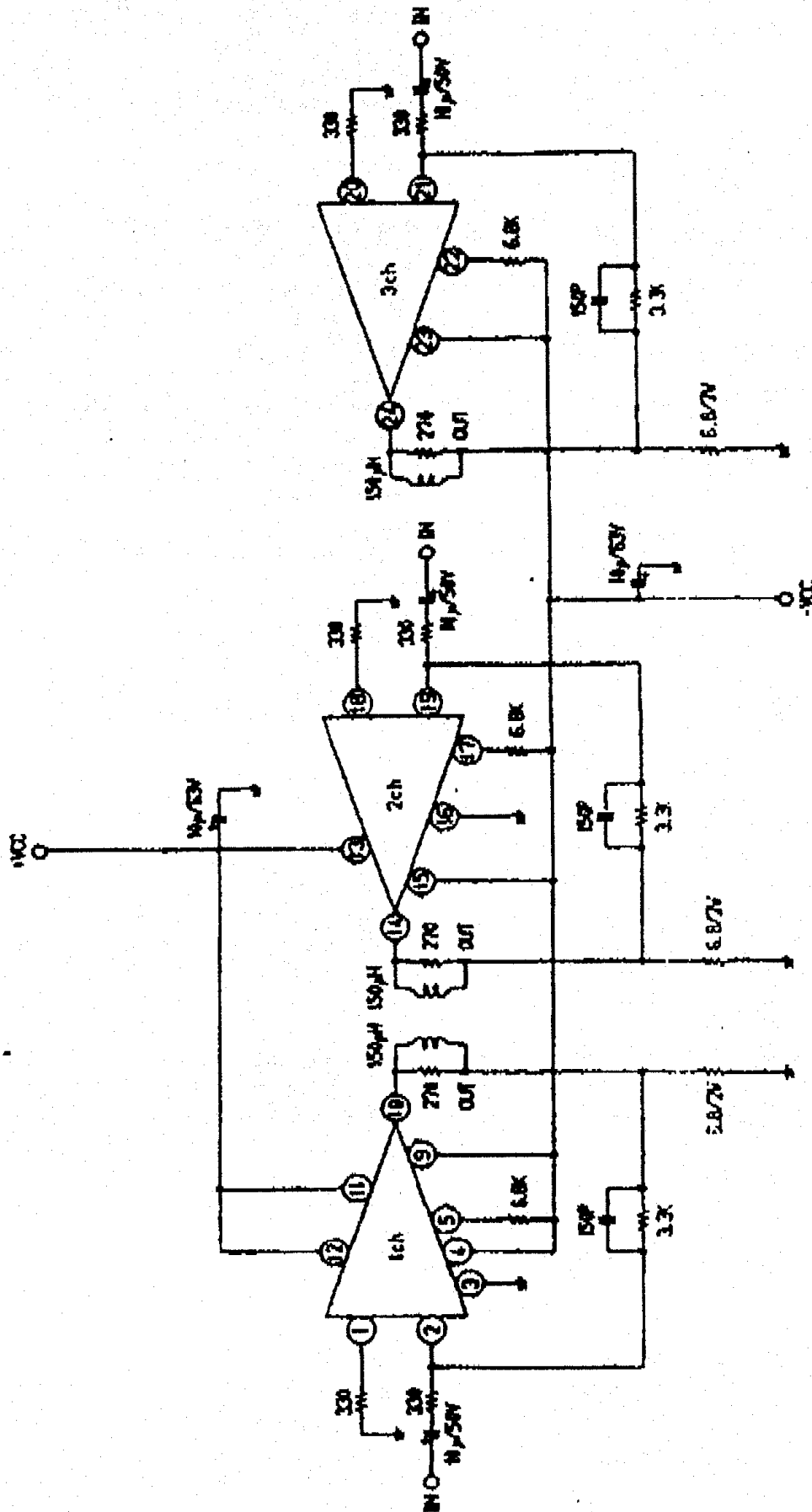
Item	Symbol	Test condition			Rated level			Unit
		VCC(V)	f(Hz)		min	typ	max	
Output noise voltage	VNO	$\pm 24$					0.2	mVrms
Quiescent current	Icc0	$\pm 24$				45		mA
Middle-point voltage	VN	$\pm 24$			19.3	0	+50	mV
Voltage gain difference	VG	$\pm 24$	1k	Sin wave input $V_{in}=80\text{mV}_{p-p}$		20	20.7	dB
Frequency characteristic	fH	$\pm 24$		-3dB(0dB:1kHz) Sin wave input $V_{in}=80\text{mV}_{p-p}$		300k		Hz
Output delay time	tD	$\pm 24$	15.75	Triangle wave input $V_{OUT}=1.5\text{V}$		0.6	1.0	$\mu\text{sec}$

## Remarks :

- For power supply at the time of test, use a constant-voltage power supply unless otherwise specified.
- The output noise voltage is represented by the peak value on rms scale (VTVM) of average value indicating type.

Internal Equivalent Circuit



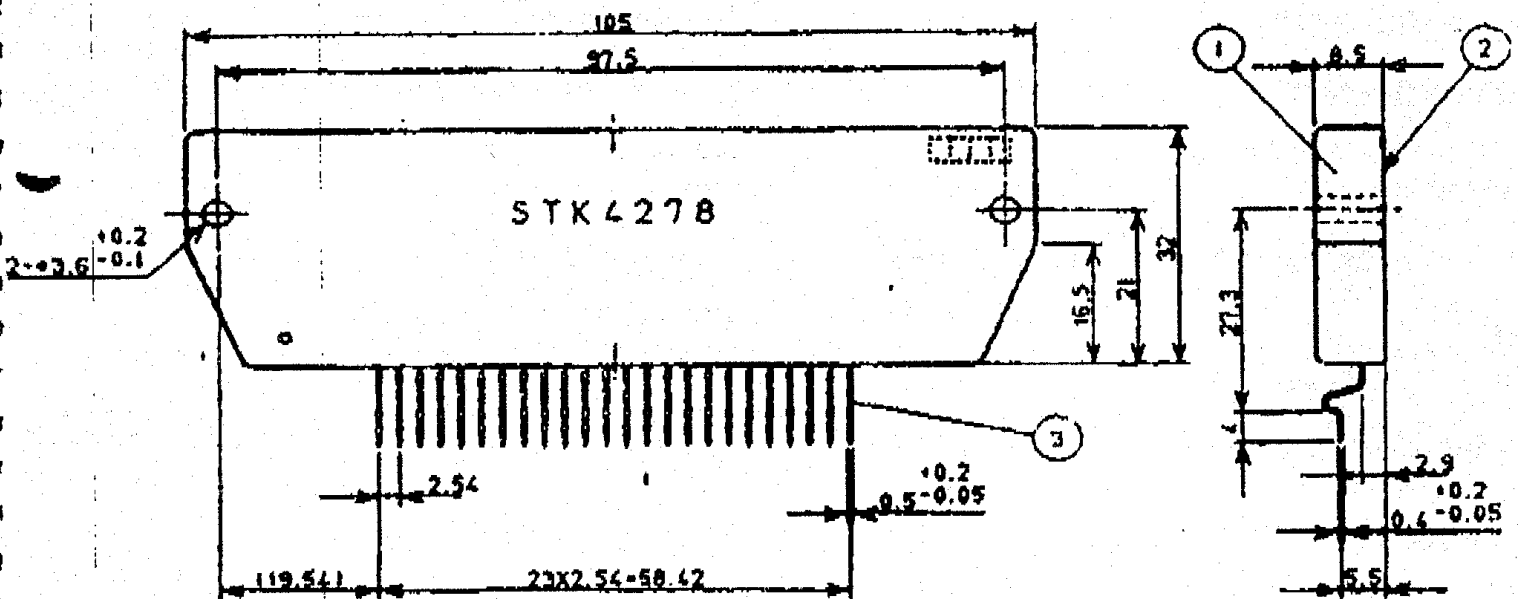


A1-0209-1-4/12

Case Outline Dimensions

04  
STK4278

Scale: 1:1  
Unit: mm



Mark (1) indicates pin 1 side (1.5mm dent).

	Material	Surface treatment
①	FR-PET	
②	MST board	Alumite
③	SPCC-SB	Base: Cu plating Soldered and plated

Do Not Scale this Drawing

General Dimensional Deviations Within  $\pm 0.5$