

SANYO

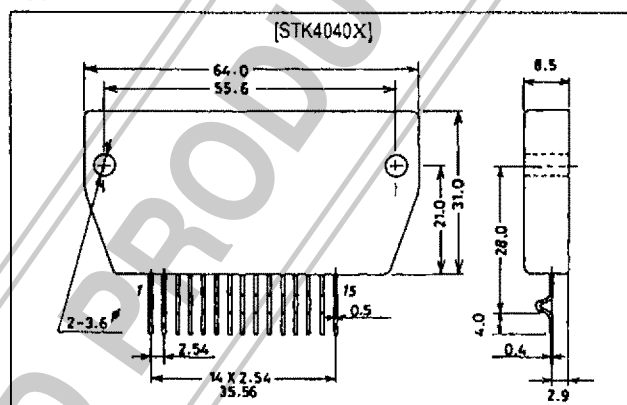
No. 1669C

STK4040X**AF Power Amplifier (Split Power Supply)
(70W min, THD = 0.008%)****Features**

- Small-sized package permitting audio sets to be made slimmer
- The STK4028X series are available for output 30W to 100W and are pin-compatible.
- Facilitates thermal design of slim stereo sets.
- The use of a current mirror circuit, cascode circuit provides a low distortion (0.008%/100kHz-LPF ON).
- Possible to design electronic supplementary circuits (pop noise muting at the time of power ON/OFF, load short protector, thermal shutdown).

Package Dimensions

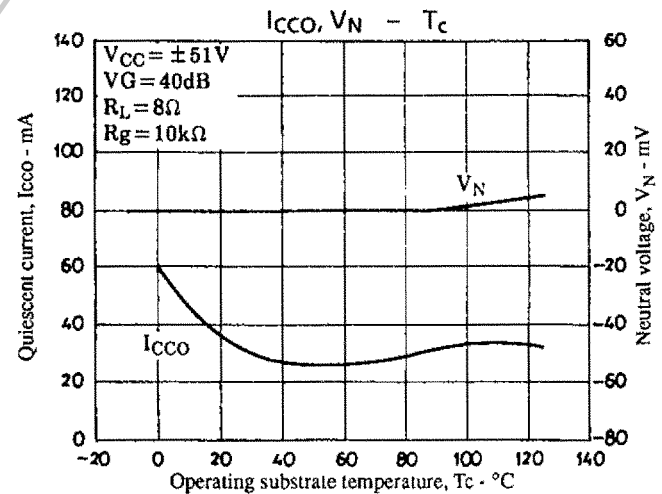
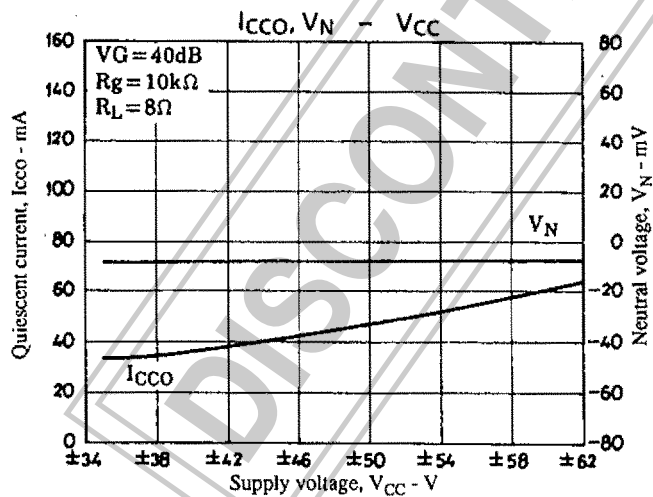
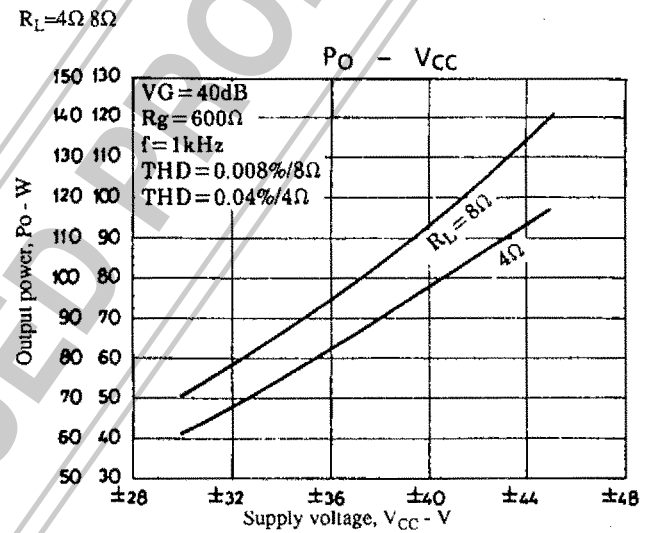
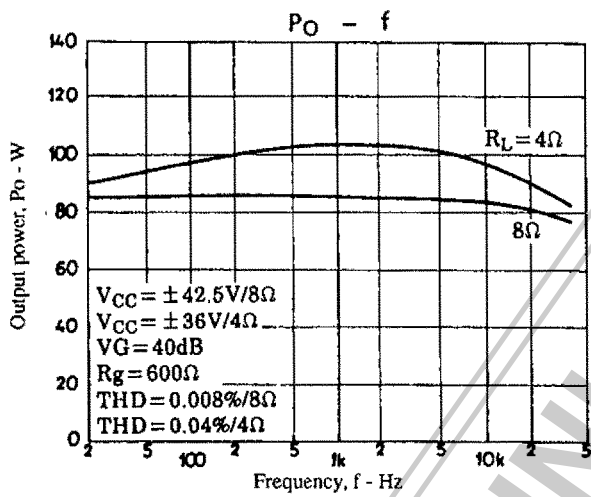
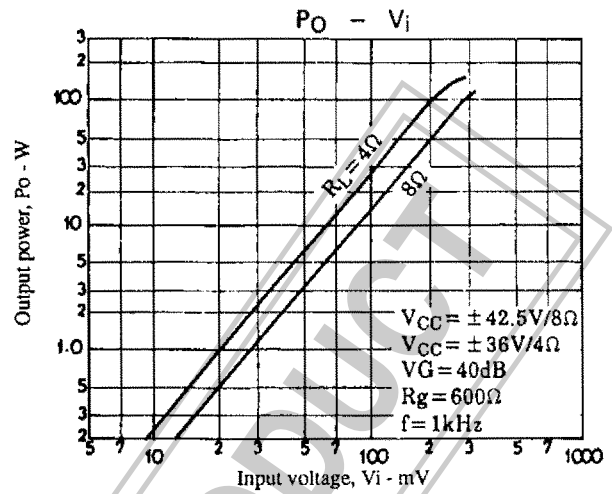
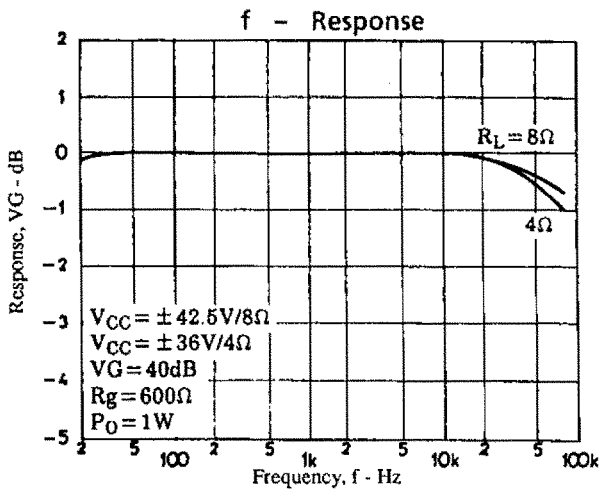
unit: mm

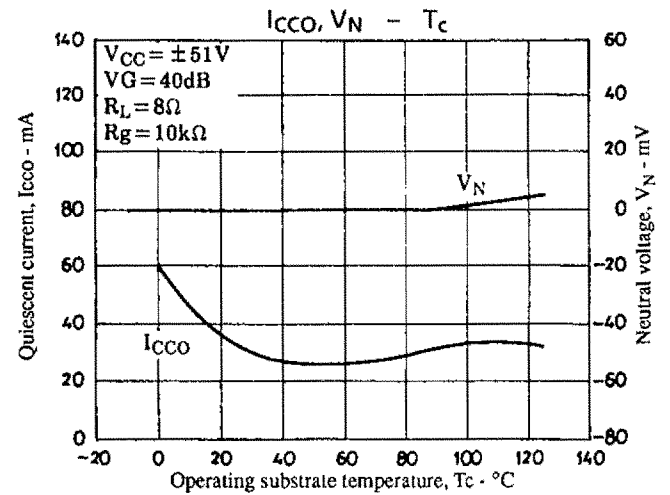
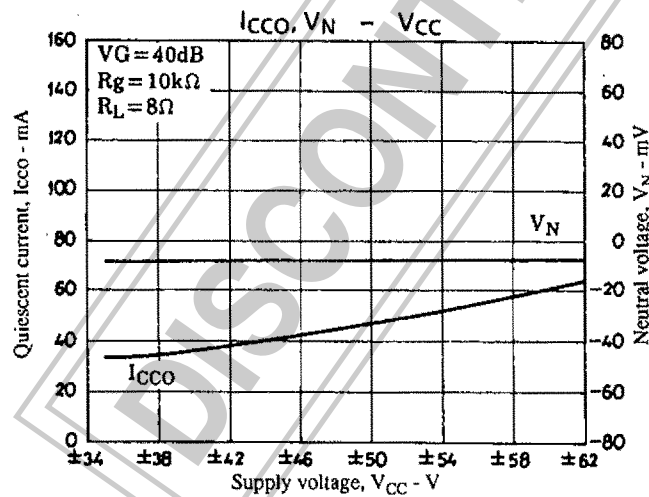
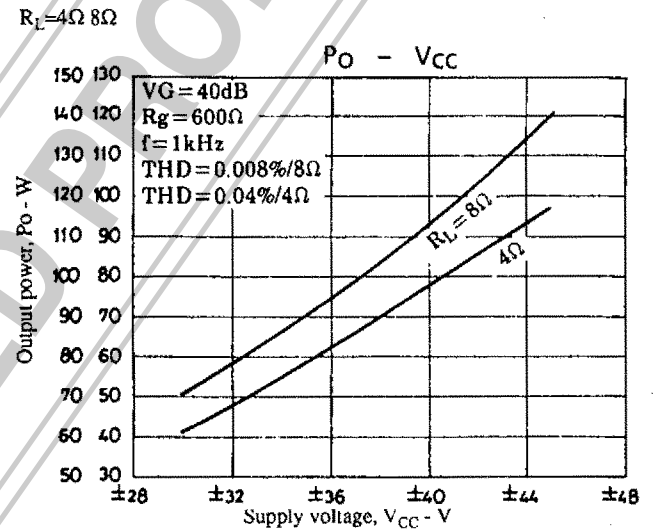
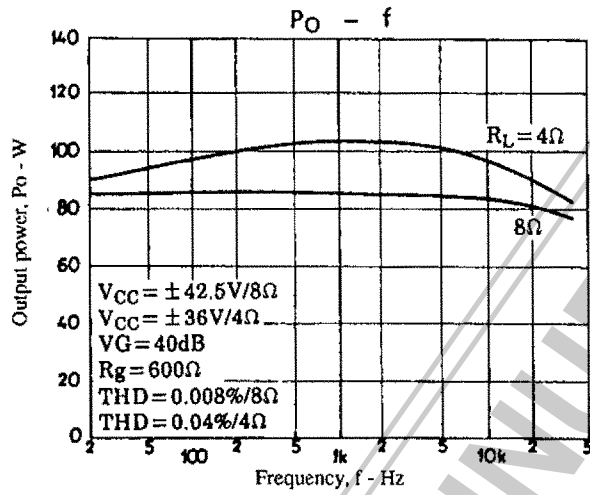
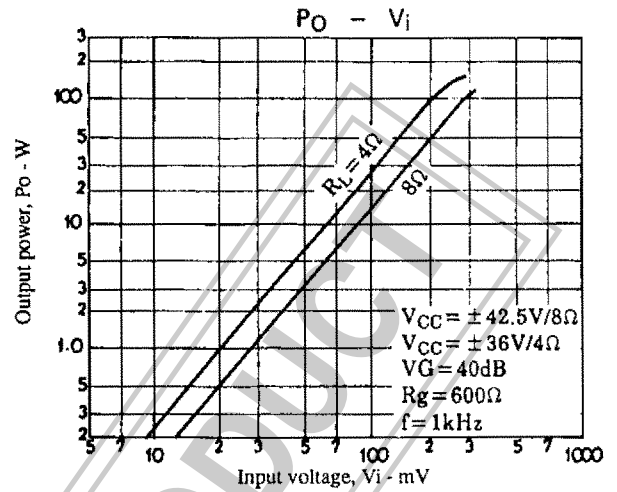
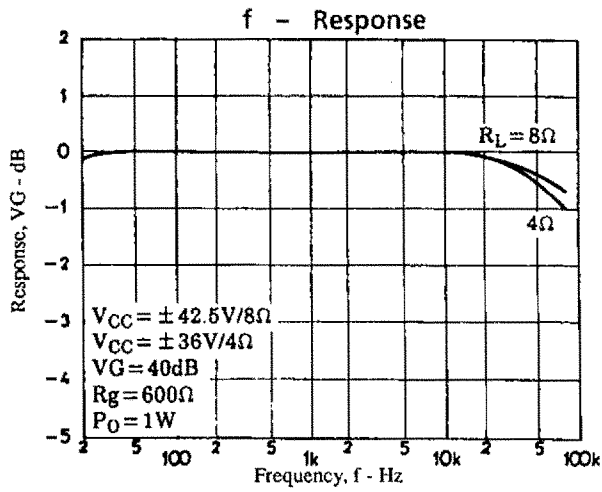
4062**Specifications****Maximum Ratings** at $T_a = 25^\circ\text{C}$

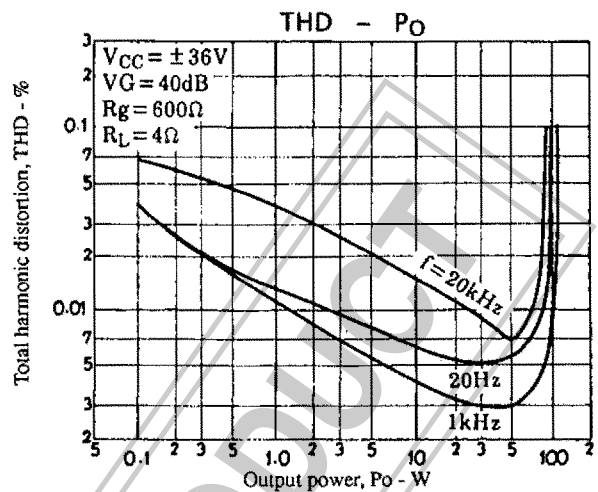
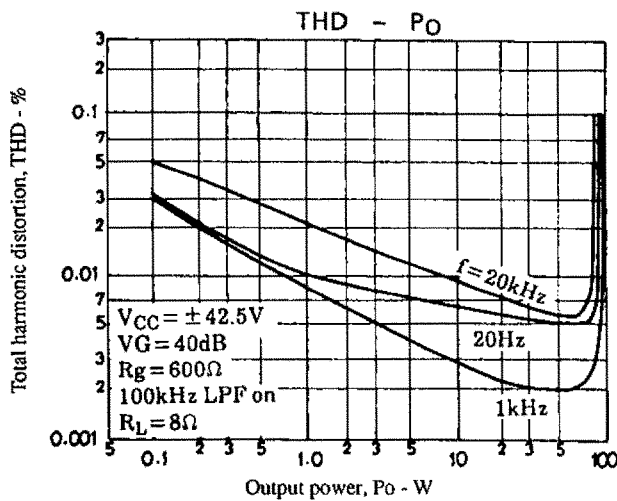
Parameter	Symbol	Conditions	Ratings	Unit
Maximum supply voltage	$V_{CC \text{ max}}$		± 62.0	V
Thermal resistance	θ_{j-c}		1.4	$^\circ\text{C/W}$
Junction temperature	T_j		150	$^\circ\text{C}$
Operating substrate temperature	T_c		125	$^\circ\text{C}$
Storage temperature	T_{stg}		-30 to +125	$^\circ\text{C}$
Available time for load short-circuit	t_s^*	$V_{CC} = \pm 42.5\text{V}$, $R_L = 8\Omega$, $f = 50\text{Hz}$, $P_O = 70\text{W}$	1.0	s

Recommended Operating Conditions at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Recommended supply voltage	V_{CC}		± 42.5	V
Load resistance	R_L		8	Ω







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