

STK-3102

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Thick Film Hybrid Integrated Circuit



4018

TENTATIVE

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

			unit
Supply Voltage	V_{CC}	± 75	V
Operating Case Temperature	T_C	+100	$^\circ\text{C}$
Storage Temperature	T_{stg}	-30 to +100	$^\circ\text{C}$
Allowable Power Dissipation	P_d		W

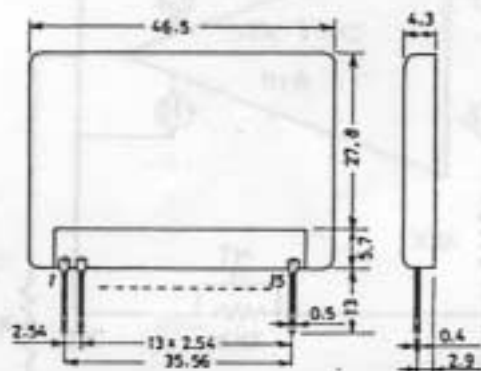
Recommended Operation Condition at $T_a=25^\circ\text{C}$

Recommended Supply Voltage	V_{CC}	± 60	V
Load Resistance	R_L	22 kohm	

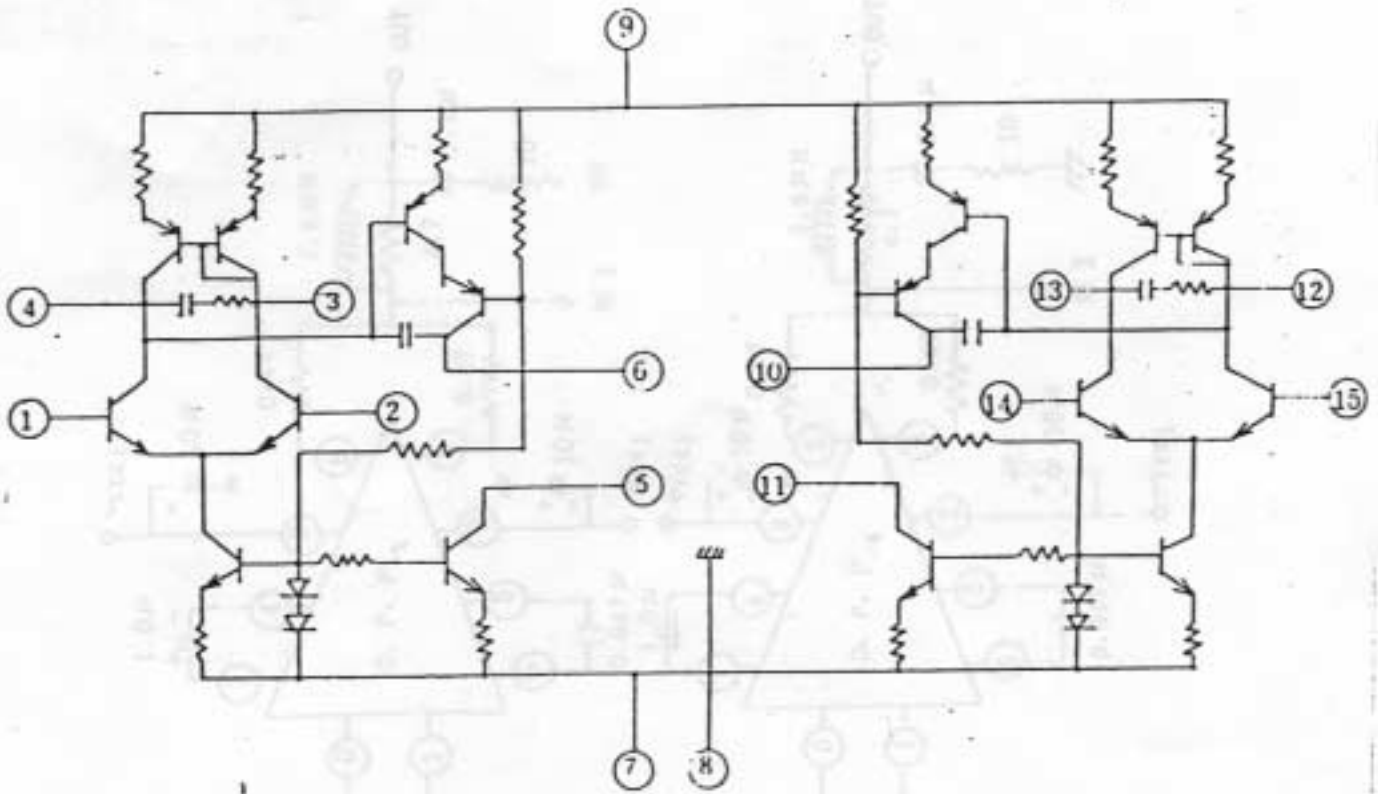
Operating Characteristics at $T_a=25^\circ\text{C}$, $V_{CC}=\pm 60\text{V}$, $V_G=26.5\text{dB}$, $R_L=22\text{kohm}$ at specified test circuit.

			min	typ	max	unit
Current Dissipation	I_{CC}			26	40	mA
Middle Point Voltage	V_N		-70	0	+70	mV
Output Noise Voltage	V_{NO}	$R_g=0\text{ohm}$			0.2	mV
Input Impedance	r_i	$f=1\text{kHz}, V_O=2.83\text{V}$		32		kohm
Total Harmonic Distortion	THD(1)	$V_{CC}=50\text{V}, f=20\text{kHz}, V_O=28.3\text{V}$	0.005	0.001		%
	THD(2)	$V_{CC}=50\text{V}, f=50\text{kHz}, V_O=20\text{V}$	0.01			%

Case Outline 4018
(unit:mm)



Equivalent Circuit



Test Circuit

