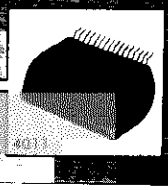
STK-457,459,460, 461,463,465

thick film hybrid IC

2 POWER 2 CHANNEL 10 to 30 W min AF POWER AMP.



Features

- © IMST, 2 Channels by 2 Power Suppliers.
- AF output power STK-457: 10W min., STK-459: 15W min. STK-460: 20W min., STK-461: 20W min., STK-463: 25W min, STK-465: 30W min.

MAXIMUM RATINGS /Ta=25°C

		STK-457	STK-459	STK-460	STK-461	STK-463	STK-465	unit
Maximum Supply Voltage	V_{CC} max	±26	±31	±32	±33	±38	±41	V
Operating Case Temperature	T_C	→	→	→	→	→	105	°C
Storage Temperature	T_{stg}	→	→	→	→	→	−30 to +105	°C
Allowable Load Shorting Time (in appointed condition)	t_s	→	→	→	→	→	2	sec

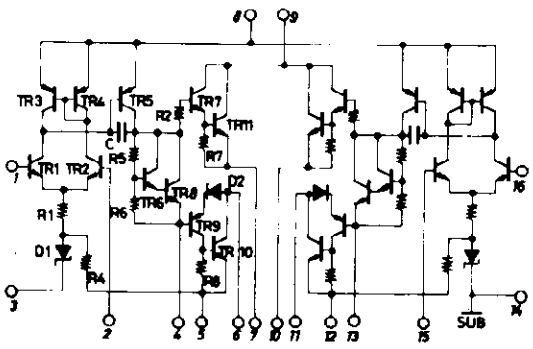
RECOMMENDED OPERATION CONDITION / Ta=25°C

		STK-457	STK-459	STK-460	STK-461	STK-463	STK-465	unit
Recommended Supply Voltage	V_{CC}	±18	±21	±23	±23	±26	±28	V
Load Resistance	R_L	→	→	→	→	→	8	ohm

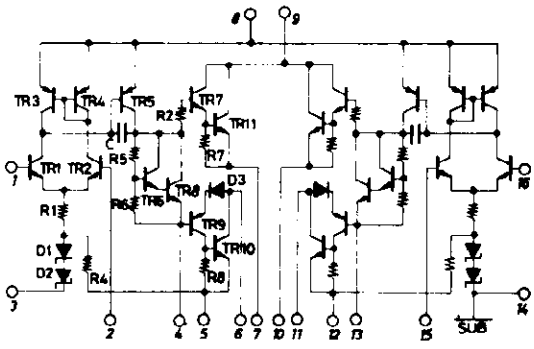
OPERATION CHARACTERISTICS / Ta=25°C, recommended condition Rg=600 ohm, VG=40dB

			STK-457	STK-459	STK-460	STK-461	STK-463	STK-465	unit
Quiescent Current	I_{CCO}		→	→	→	→	→	120	mA max
Output Power	Po	THD=0.08% f=20~20kHz	10	15	20	20	25	30	W min
Distortion	THD	Po=1W f=20~20kHz	→	→	→	→	→	0.08	% max
Frequency Response	f	Po=1W, $\pm^{0}_{3}$ dB f=1kHz	→	→	→	→	→	10 to 100k	Hz
Input Resistance	r_i	Po=1W, f=1kHz	→	→	→	→	→	32k	ohm

EQUIVALENT CIRCUIT



STK-457, 459, 460



STK-461, 463, 465

APPLICATION: AF Power Amp.