

MSK

HIGH FREQUENCY, HIGH SLEW RATE HYBRID AMPLIFIERS

Models 720/730/720B/730B



- 150 MHz Bandwidth
- 10 MHz Full Power Output
- 50 nSec Settling to 1%
- 100 nSec Settling to .1%
- Short Circuit Protected
- Stable at Unity Gain without Compensation

Model

Characteristics

720	General purpose wide band, high-slew rate amplifier
730	Fast settling amplifier
720B	720 manufactured in accordance with Mil. Std. 883, Level B
730B	730 manufactured in accordance with Mil. Std. 883, Level B

M. S. Kennedy Corp.

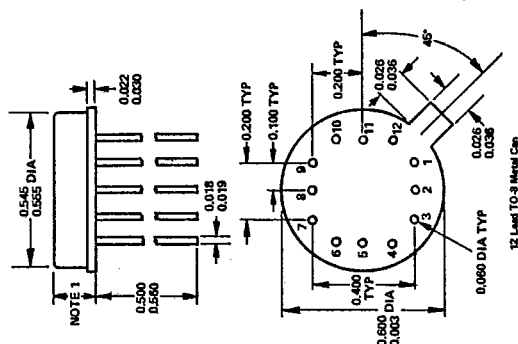
Pickard Drive

Syracuse, New York 13211

Tel. 315-455-7077

00720-1X

PIN	DESG.	PIN	DESG.
1	COMP.	7	BAL
2	-15V	8	N.C.
3	N.C.	9	+15V
4	-IN	10	N.C.
5	+IN	11	OUT
6	GND	12	CASE



**BOTTOM
VIEW**

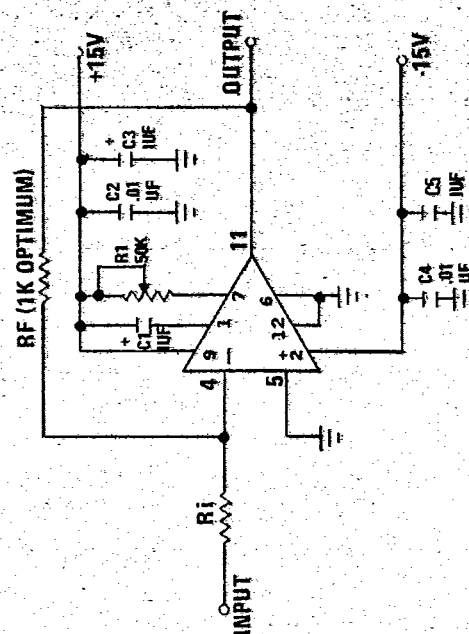
NOTE:

MODEL 720/730
STD COVER
HEIGHT .150 MAX

MODEL 720B/730B
OPTIONAL COVER
270 MAX

TO - 8 PACKAGE

TYPICAL CIRCUIT



Price 1-9	MSK 720/730	\$49.00
	MSK 720B/730B	\$70.00

Electrical Specifications

PARAMETER	UNITS	MIN.	TYP.	MAX.
Voltage Gain	v/v	10,000	20,000	—
* Full Power Output	MHz	10	12	—
* Bandwidth	MHz	100	150	—
* Slew Rate	V/ μ Sec	800	1,000	—
Rated Output Voltage	volts	± 10	± 12	—
Rated Output Current	mA	± 30	—	—
Peak Surge Current	mA	± 50	—	—
Input Bias Current	nA	—	150	250
Input Bias Current Drift	—	—	3nA/ $^{\circ}$ C	10nA/ $^{\circ}$ C
Input Offset Voltage	—	— Adjustable to zero —		
Input Voltage Drift Coefficient	μ V/ $^{\circ}$ C	—	10	30
Input Impedance	Meg ohms	—	4	—
Input Capacitance	pf	—	3	—
Common Mode Voltage Range	volts	± 10	—	—
Common Mode Rejection Ratio @ ± 5 volts	dB	80	90	—
* Settling time to 1% (730) 10 volt step	nSec	—	50	100
* Settling time to .1% (730) 10 volt step	nSec	—	100	150
Power Supply Voltage	volts	12	15	18
Quiescent Current	mA	—	20	25
Operating Temperature Range 720 & 730	—	— 25 $^{\circ}$ C to +85 $^{\circ}$ C		
720B & 730B	—	— 55 $^{\circ}$ C to +125 $^{\circ}$ C		
Storage	—	— 65 $^{\circ}$ C to +150 $^{\circ}$ C		

***NOTE - PARAMETER OBTAINABLE ONLY IN INVERTING CONFIGURATION**