AN366P

AMチューナ，FM-AM中間周波増幅回路／AM Tuner, FM-AM IF Amplifier Circuit

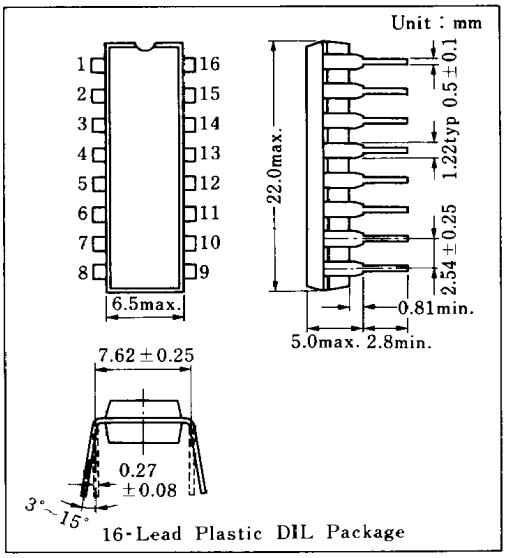
■ 概　要／Description

AN366Pはホームラジオ，カーラジオ，ステレオなどに最適の半導体集積回路です。

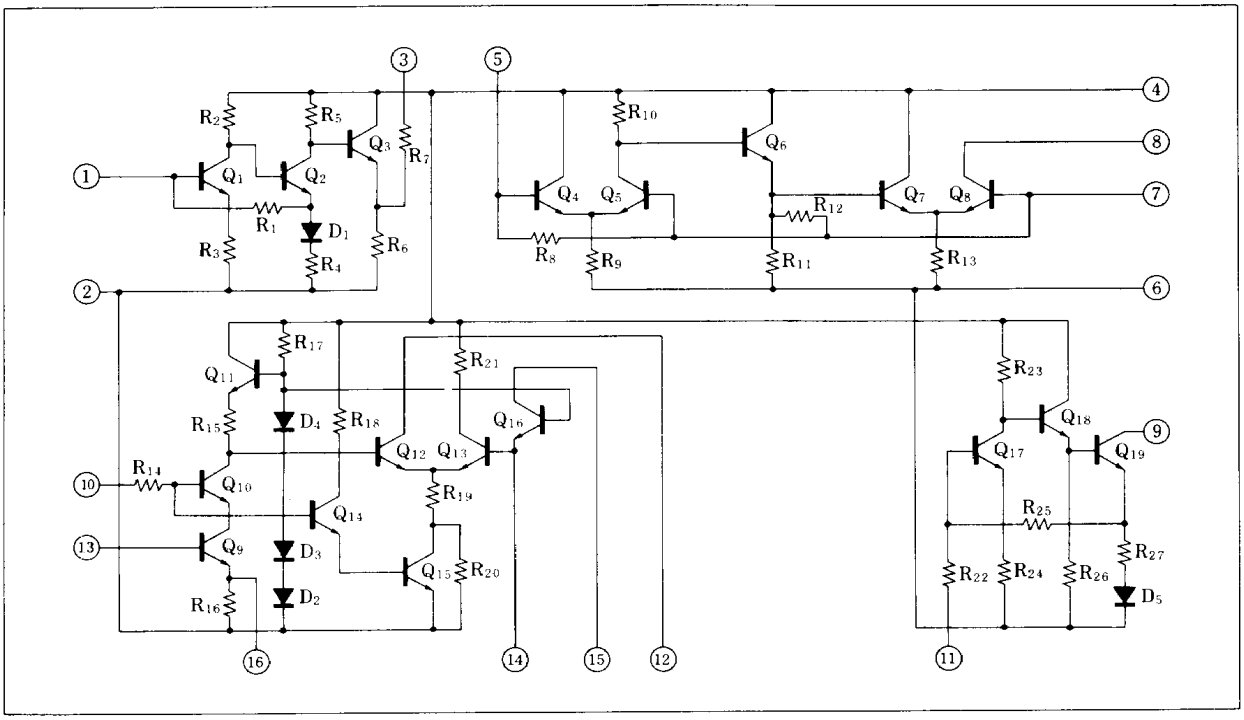
■ 特　徴／Features

- FM系とAM系が別系統の回路で構成
- FMおよびAM中間周波増幅回路ともセラミックフィルタと結合し，無調整化が可能
- AM検波出力とFM検波出力が同一レベル

- FM and AM circuitry are separated from each other
- Adjustment free operation realizes by using ceramic filters
- Same level AM and FM detection output



■ 等価回路／Schematic Diagram



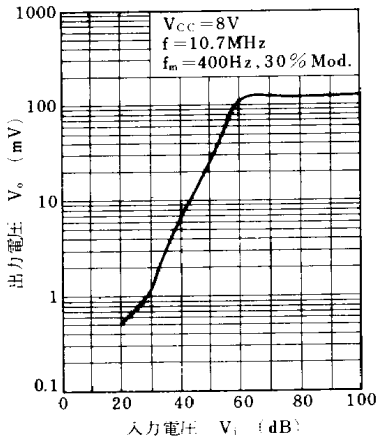
■ 絶対最大定格／Absolute Maximum Ratings (Ta＝25℃)

Item		Symbol	Rating	Unit
電　圧	電源電圧	V_{CC}	9.6	V
	回路電圧	V_{8-7}	14.4	V
	回路電圧	V_{15-6}	14.4	V
電源電流		I_{CC}	40	mA
許容損失 (Ta＝75℃)		P_D	400	mW
動作周囲温度		T_{opr}	−20～+75	℃
保存温度		T_{stg}	−55～+150	℃

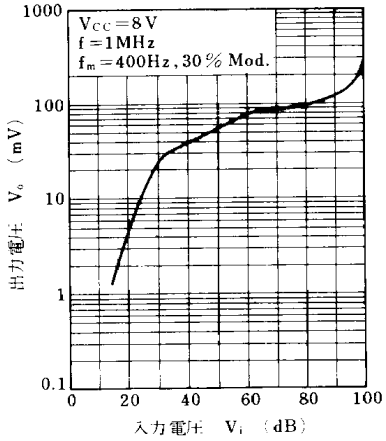
■ 電気的特性／Electrical Characteristics (V_{CC}＝8V, Ta＝25℃)

Item		Symbol	Test Circuit	Condition	min.	typ.	max.	Unit
全回路電流		I_{tot}			15	24	34	mA
出力電圧 (Det)	AM−IF	V_O		V_i＝22dBμV, f＝1MHz f_m＝400Hz, 30% Mod.	2.4	6	9.5	mV
	FM−IF	V_O		V_i＝38dBμV, f_m＝400Hz f_d＝22.5kHz, f＝10.7MHz	3.8	7	10	mV

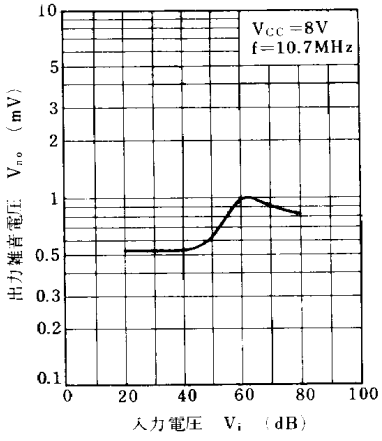
$V_O - V_i$(FM)



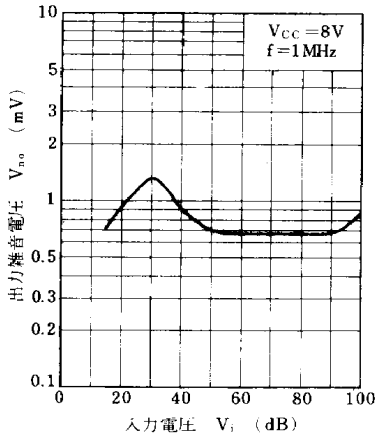
$V_O - V_i$(AM)



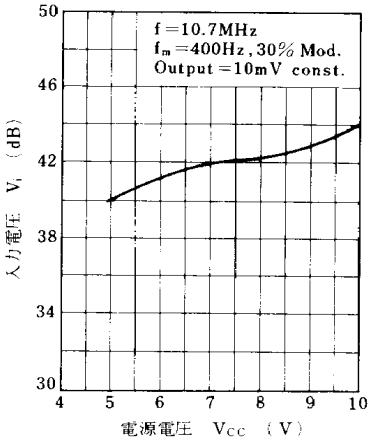
$V_{no} - V_i$(FM)



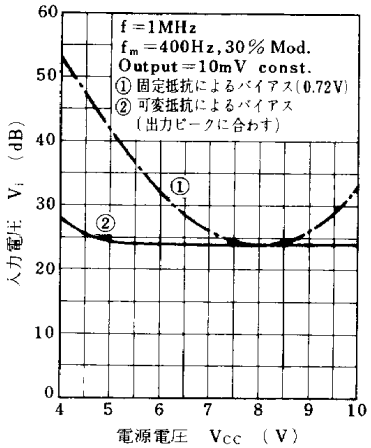
$V_{no} - V_i$(AM)



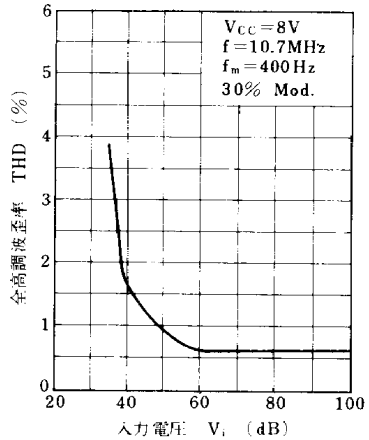
$V_i - V_{CC}$(FM)



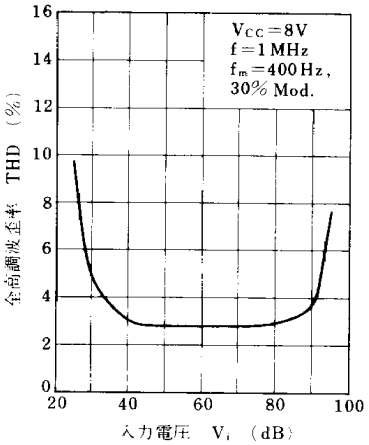
$V_i - V_{CC}$(AM)



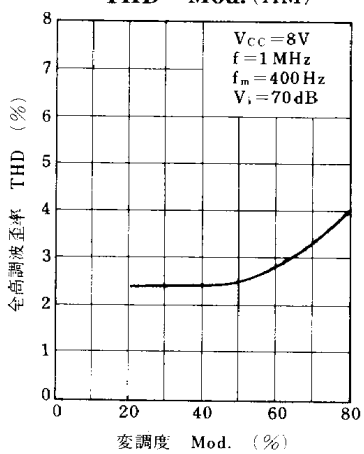
THD－V_i(FM)



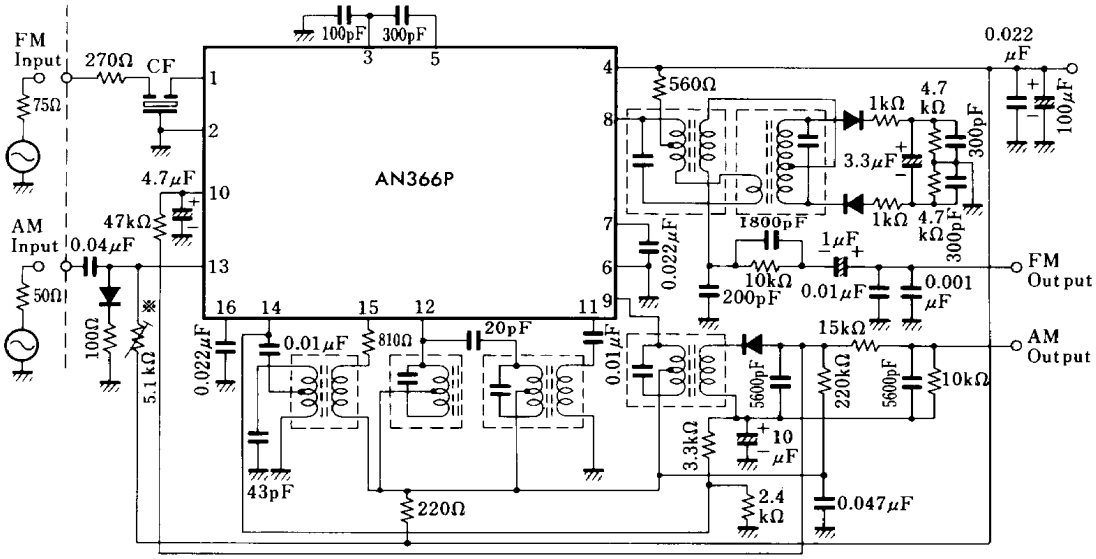
THD－V_i(AM)



THD－Mod.(AM)



■ 応用回路例／Application Circuit



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