

ELECTRICAL CHARACTERISTICS

These characteristics are guaranteed over the following conditions (unless otherwise stated):

$$T_{AMB} = +25^{\circ}\text{C}, V_{CC} = 7.4\text{V to } 9\text{V}$$

Characteristic	Pin	Value			Units	Conditions
		Min.	Typ.	Max.		
Supply current	13,5	40	55	70	mA	
Supply voltage	13,5	7.4	8.2	9	V	
Minimum oscillator frequency			300		MHz	
Maximum oscillator frequency			700		MHz	
Phase detector input level from oscillator	6,7	400	70	100	mV	
RF input level	11,12	12.5	40	125	mV	
Phase detector gain			0.5		V/Radian	
AGC output	9		300		μA	No input signal
			140		μA	-20dBm input signal
Oscillator lock range			50		MHz	See note 1
VCO slope			14		MHz/V	
Video output voltage	14,15		1.5		V p-p	21.4MHz p-p deviation
Intermodulation products			-40		dBm	See note 2
Video bandwidth			18		MHz	

NOTES

1. All characteristics from Oscillator Lock Range to Video Bandwidth are measured using the application circuit Fig. 3.
2. Signal 1: 4.433MHz, deviation = 21.4MHz p-p.
Signal 2: 6MHz, deviation = 3MHz p-p.

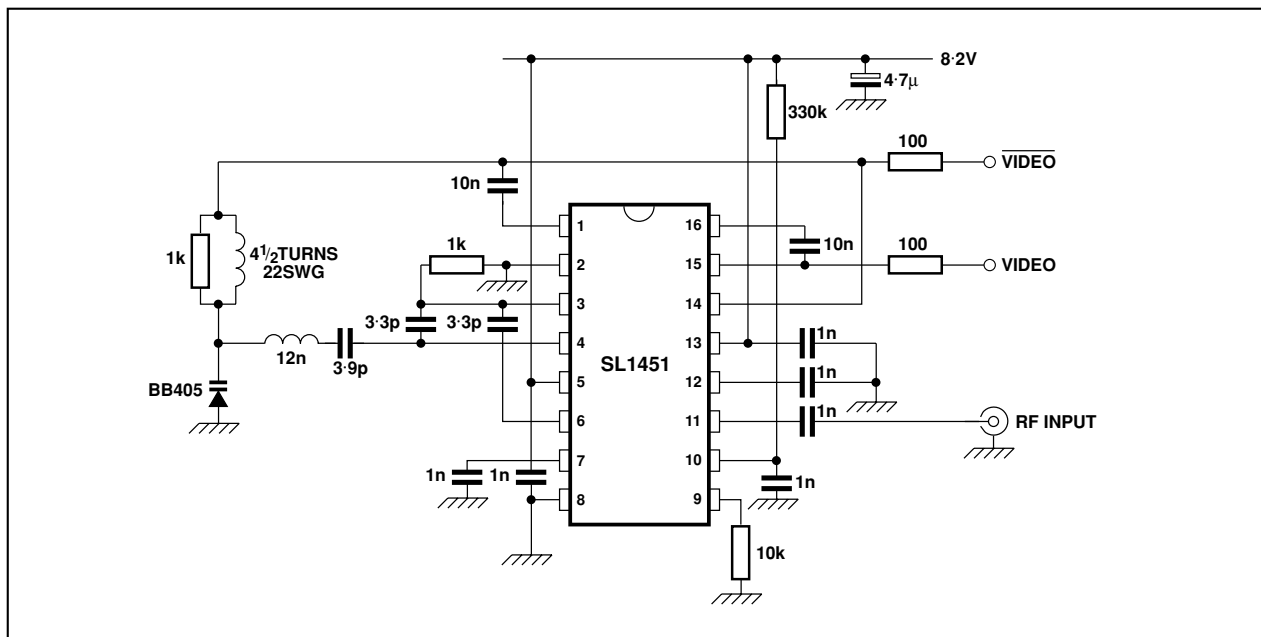
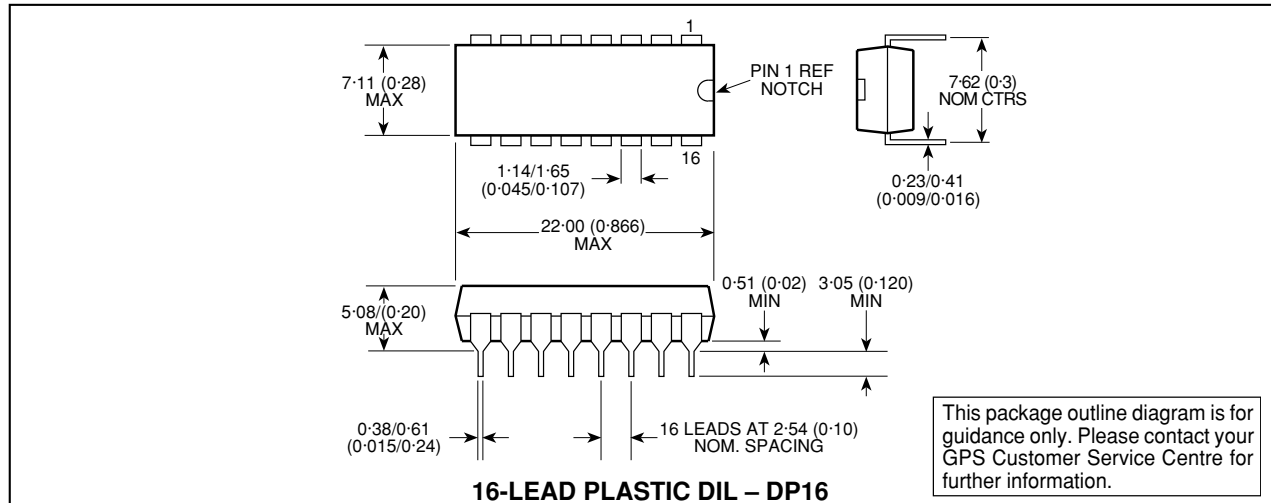


Fig. 3 Typical application circuit

NOTES

PACKAGE DETAILS

Dimensions are shown thus: mm (in)

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