

NE556 Series – Dual Timer

GENERAL DESCRIPTION

The NE556 is a dual NE555. Timing is provided by an external timing resistor and capacitor for each timing function. The two timers operate independently of each other sharing only V_{CC} and GRND. The circuits may be triggered and reset on falling waveforms.

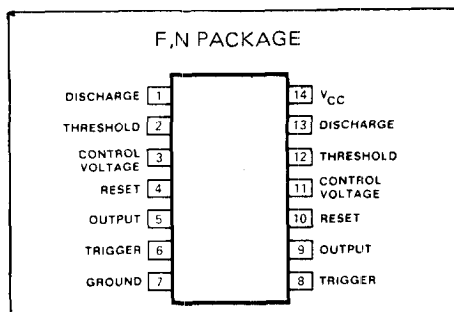
FEATURES

- Turn off time less than $2\mu S$
- Maximum operating frequency greater than 500kHz
- Timing from microseconds to hours
- Replaces two 555 timers
- Operates in both astable and monostable modes
- High output current
- Adjustable duty cycle
- TTL compatible
- Temperature stability of 0.005% per $^{\circ}C$

APPLICATIONS

- Precision timing
- Sequential timing
- Pulse shaping
- Pulse generator
- Missing pulse detector
- Tone burst generator
- Pulse width modulation
- Time delay generator
- Frequency division
- Industrial controls
- Pulse position modulation
- Appliance timing
- Traffic light control
- Touch tone encoder

CONNECTION DIAGRAM



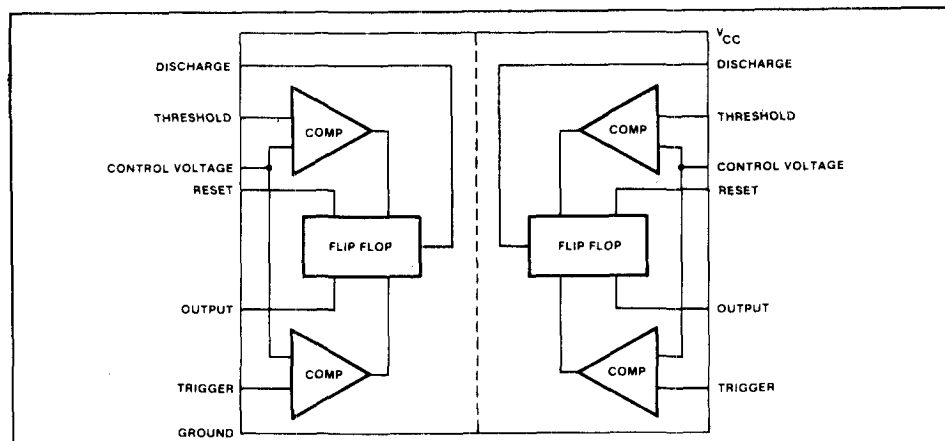
MAXIMUM RATINGS

PARAMETER	RATING	UNIT
Supply voltage		
SE556-1	+18	V
NE556-1, SE556-1C, SA556-1	+16	V
Power dissipation	1.20	W
Operating temperature range		$^{\circ}C$
NE556-1	0 to +70	$^{\circ}C$
SA556-1	-40 to +85	$^{\circ}C$
SE556-1, SE556-1C	-55 to +125	$^{\circ}C$
Storage temperature range	-65 to +150	$^{\circ}C$
Lead temperature (soldering, 60 sec)	+300	$^{\circ}C$

TYPE NO.	STOCK NO.	OUTLINE DRWG. NO.
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NE556F	56034X	1
NE556N	56035H	1
SE556F	56036F	1
SE556N	56037D	1

BLOCK DIAGRAM

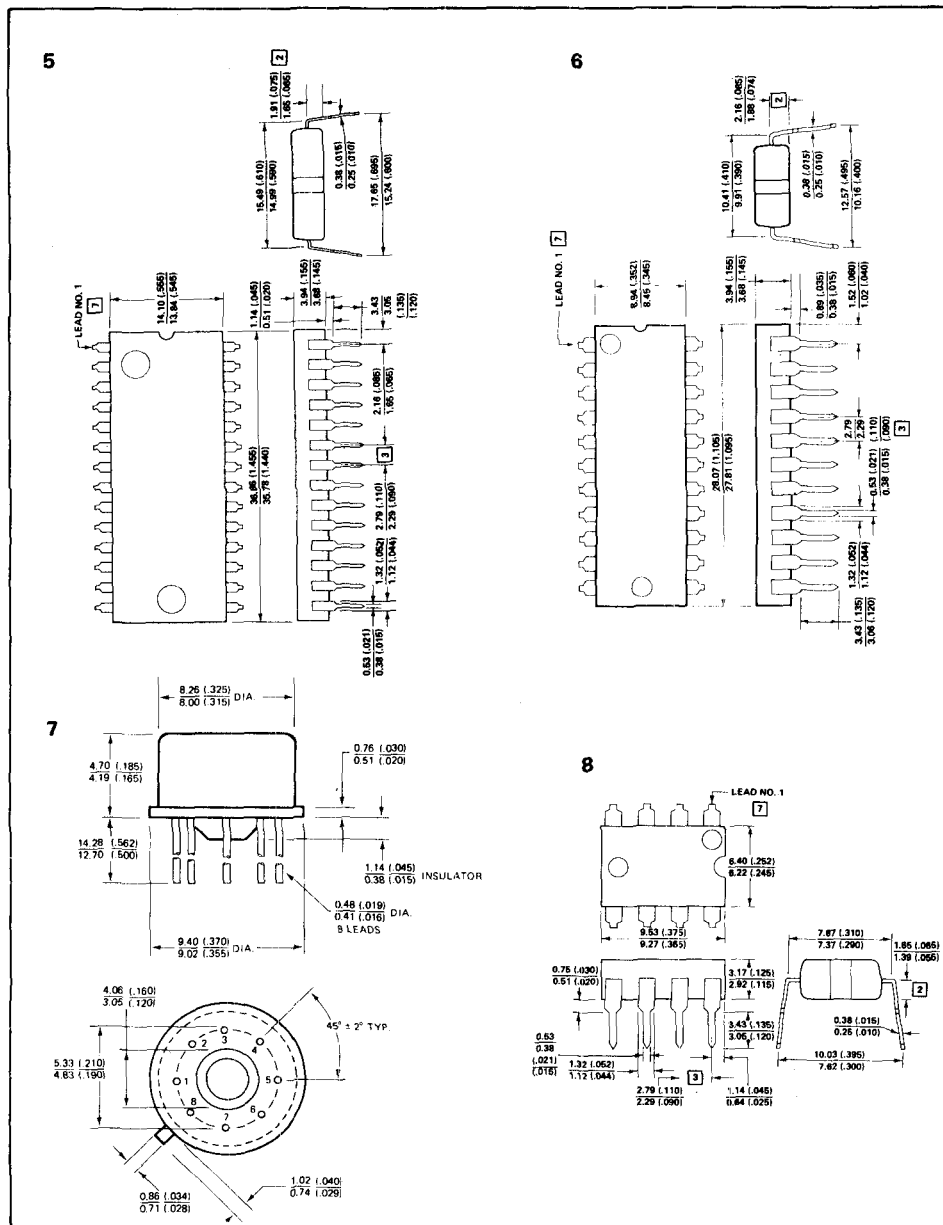


PLEASE QUOTE STOCK NO.
AND MANUFACTURERS PART NO. WHEN ORDERING

ITT GEMINI

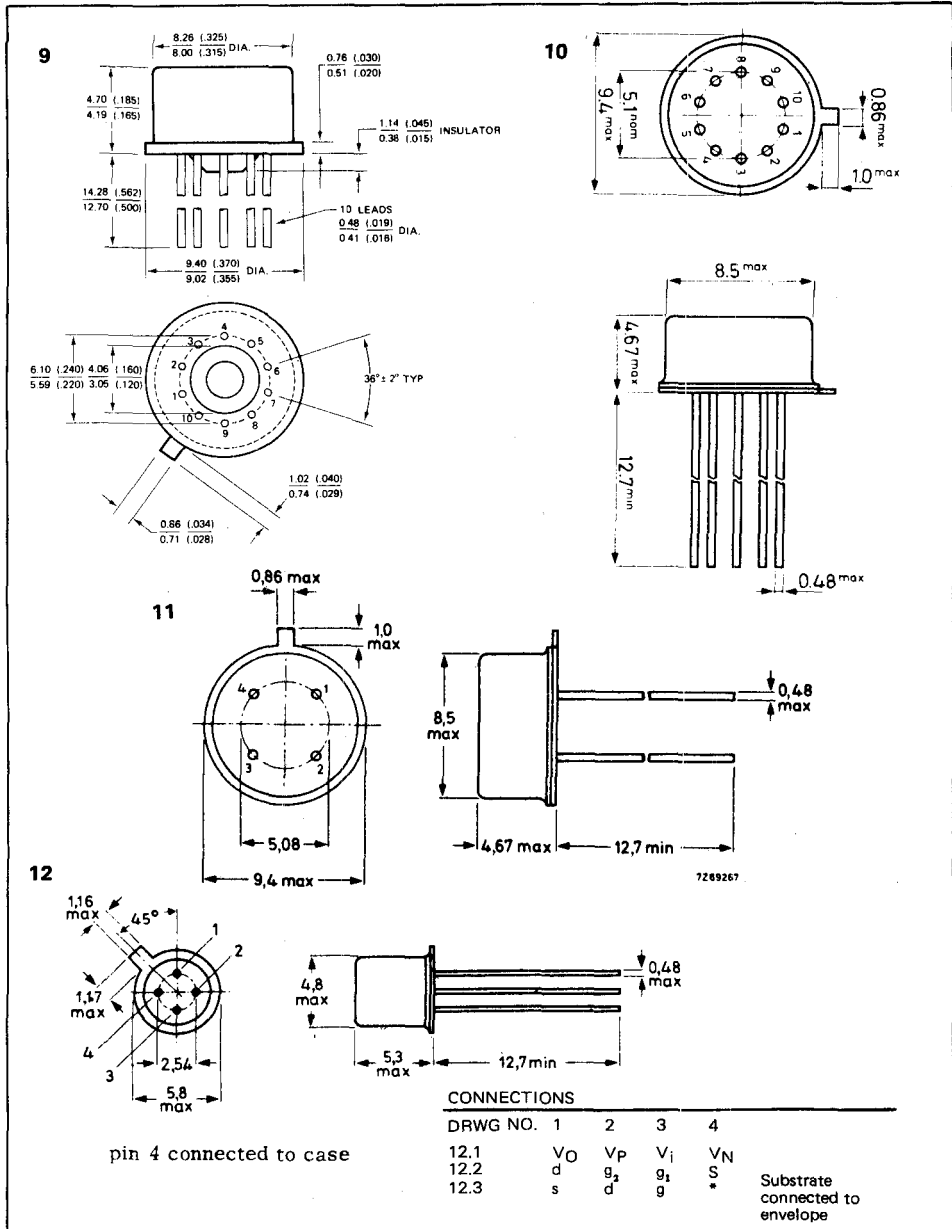
Signetics

Outline Drawings



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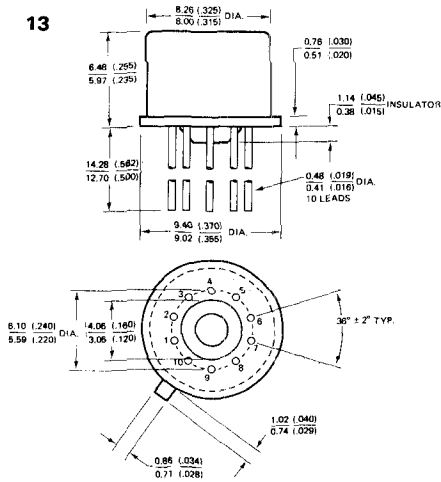
FOR CURRENT PRICES PHONE
HARLOW (0279) 29644



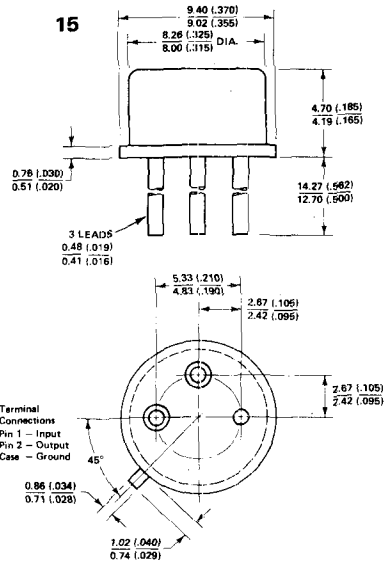
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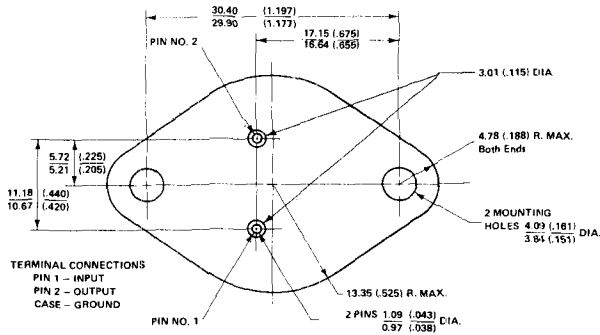
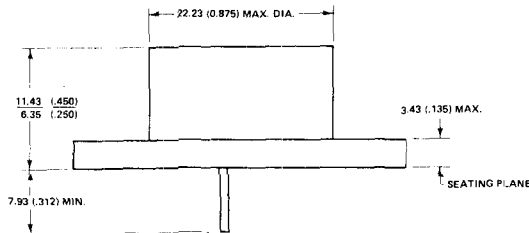
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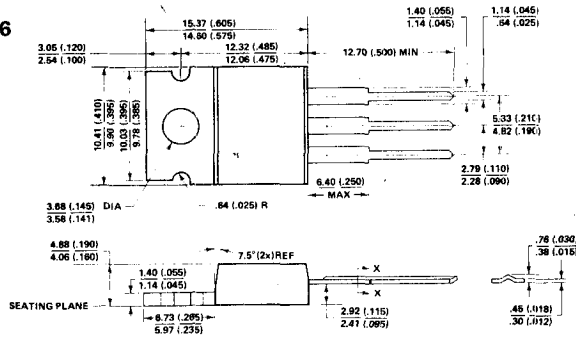
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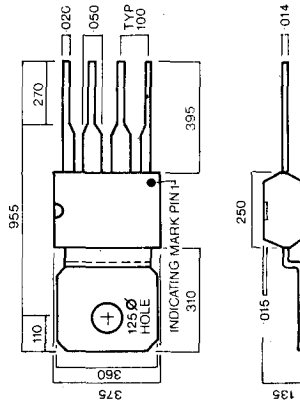
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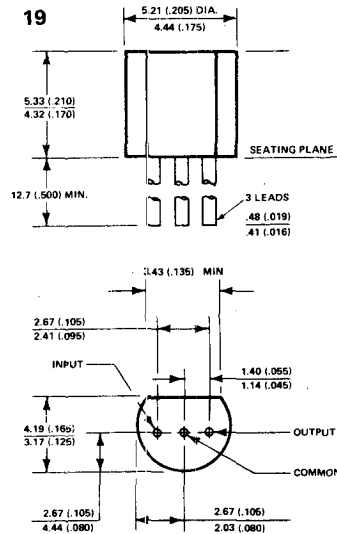
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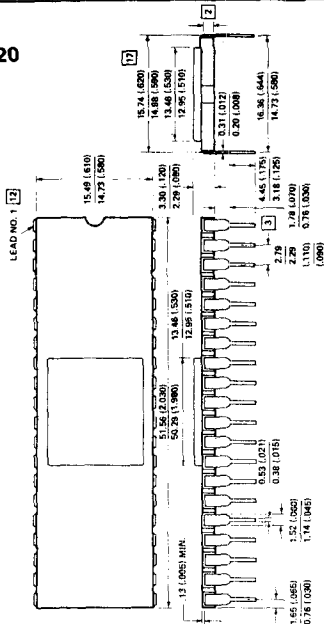
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TTT GEMINI

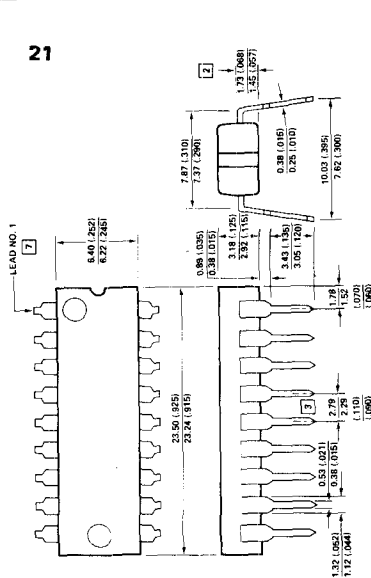
Signetics

Outline Drawings

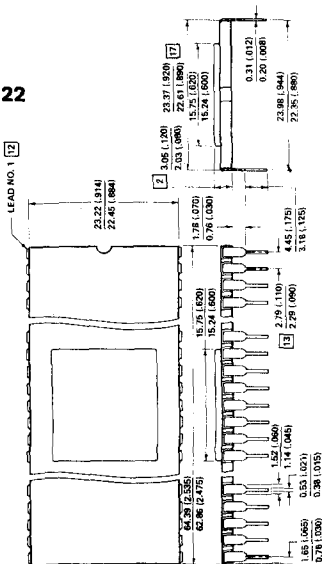
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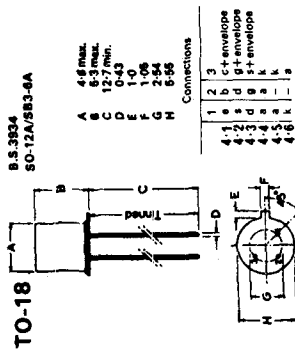
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