Mling 741 Opamp, dusign window comparator for any given vop and cop and simulate the same.



	Window lompayatou:
	has top it it is a farmadoral
	- 2t detect when input voltage is between two
	wints many
_	- Use two comparator evith different thrusholds
de	TH window remparator is pasically the inverting
	and non-inverting comparators combined into a single
_	Tomporta of stage.
	- The window lomparentor ditects input
	Voltage lives that are within a specific band or
	mindow of Voltages grished of indicaling whither a
d c	Hollage is greater or less their some preset or
	fined voltage reference point.
1	This The instead of having just one reference
	vortage value a mindow comparator will have 2
	enfurure voltages implemented by a pair of voltage
-	lomparators.
-	The which triggers are op-amp comparation
	and one which thingers an op-amp comparator one
_	and one while triggers are op-amp comparator one
- 11 /	ditection of a lower voltage threeshold level. Vouf (lower)  Then the voltage levels between these 2 upper
	her the voltage levels between these 2 upper
	and lourer suftruce voltages is talled the "window"
	hua its name.
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	lieuit diagram for Mindow
	iomparator

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		Date Page
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	res.	components required:
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	4.4	Two op-amp Ic MA 741 2 diode, IN 400,
	187	Ruiston of 1 RN, DC sugulated power supply
	and properly	trainer Rit (+12 v and -12 v is given to op amp
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		from this, signal generator, CRO.
	4010	Y; >LTP
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