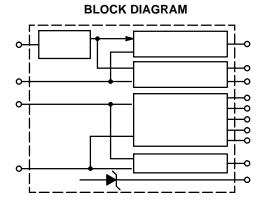
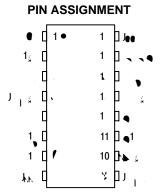
onse 1

Applouption.s





ELECTRICAL CHARACTERISTICS (Note 4) ($C_L = 50 \text{ pF}$, $T_A = 25 \text{ C}$)

		V _{DD}	Minimum		Maximum	
Characteristic	Symbol	Vdc	Device	Typical	Device	Units
Output Rise Time $t_{TLH} = (3.0 \text{ ns/pF}) C_L + 30 \text{ ns}$ $t_{TLH} = (1.5 \text{ ns/pF}) C_L + 15 \text{ ns}$ $t_{TLH} = (1.1 \text{ ns/pF}) C_L + 10 \text{ ns}$	t⊤∟H	5.0 10 15	- - -	180 90 65	350 150 110	ns
Output Fall Time $t_{THL} = (1.5 \text{ ns/pF}) C_L + 25 \text{ ns}$ $t_{THL} = (0.75 \text{ ns/pF}) C_L + 12.5 \text{ ns}$ $t_{THL} = (0.55 \text{ ns/pF}) C_L + 9.5 \text{ ns}$	t _{THL}	5.0 10 15	- - -	100 50 37	175 75 55	ns

PHASE COMPARATORS 1 and 2

Input Resistance - PCA _{in}	R _{in}	5.0	1.0	2.0	-	MΩ
		10	0.2	0.4	_	
		15	0.1	0.2	_	
– PCB _{in}	R _{in}	15	150	150	_	M
Minimum Input Se–sitivity	V _{in}	5.0	_		300	mV p
AC Coupled — PCA _{in}		10	_	400	■00	
C series = 1000 pF, f = 50 kHz		15	-	700	1050	
DC Coupled – PCA _{in} , PCB _{in}	-	5 to 15				



Typical Low Pass Filters

NOTE: Sometimes R3 is split into two series resistors each R3 . 2. A capacitor C

ORDERING INFORMATION

Device	Package	Shipping [†]
MC14046BDWG	SOIC-16 WB (Pb-Free)	47 Units / Tube
MC14046BDWR2G	SOIC-16 WB (Pb-Free)	1000 Units / Tape & Reel

[†]For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging



SCALE 1:1

1 8 × 45°

GENERIC MARKING DIAGRAM*

