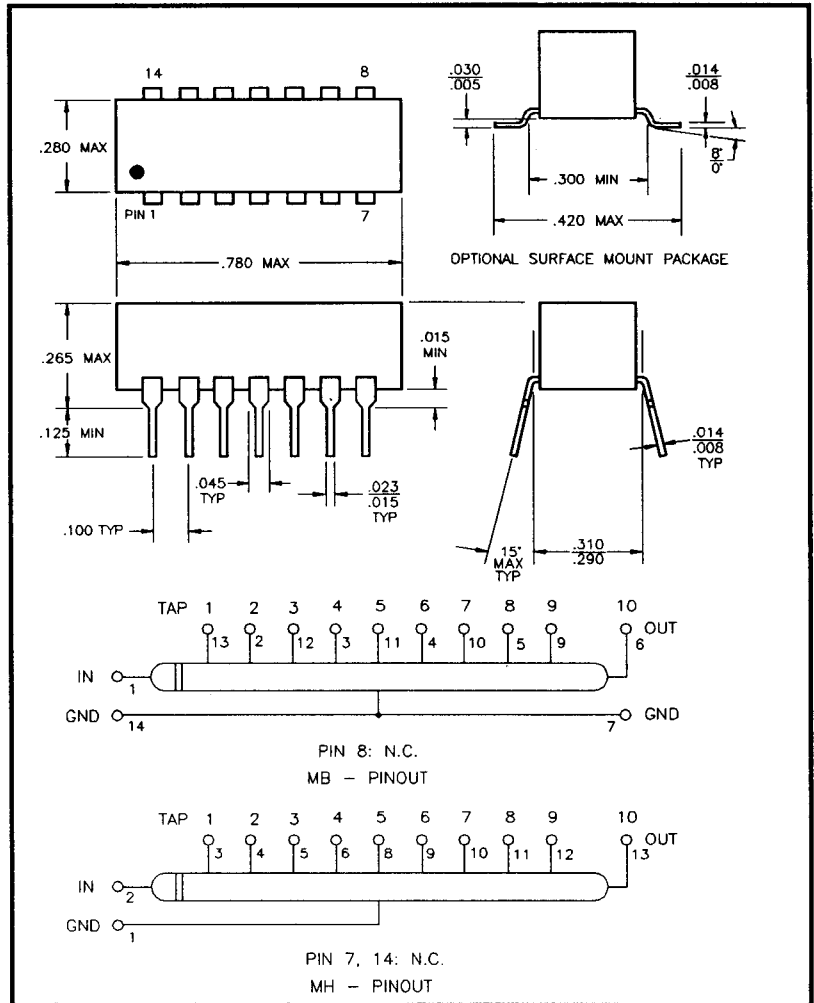
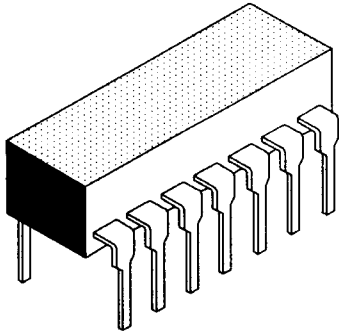


# POLARA

## MB-SERIES MH-SERIES

### 14 PIN, 10 TAP HIGH PERFORMANCE PASSIVES



Electrical Characteristics	Min	Max	Unit
Distortion		± 10	%
Temperature Coefficient of Delay		100	PPM/°C
Insulation Resistance @ 100 Vdc	1K		MΩ
Dielectric Strength		100	Vdc
Operating Free Air Temperature	0	70	°C

Input Pulse Test Conditions @ 25°C		
V <sub>IN</sub>	Pulse Input Voltage	10 Volts
P <sub>W</sub>	Pulse Width % of Total Delay	300%
T <sub>RI</sub>	Input Rise Time(10-90%)	2.0 nS
PRR	Pulse Repetition Rate @ T <sub>d</sub> ≤ 150 nS	1.0 MHz
	Pulse Repetition Rate @ T <sub>d</sub> > 150 nS	300 KHz

IMPEDANCE OHMS ± 10%	TOTAL DELAY ± 5% or 2 nS	TAP DELAYS ± 10% or 2 nS	RISE TIME nS MAX	ATTENUATION % MAX	POLARA P/N MB - PINOUT	POLARA P/N MH - PINOUT
50	50	5.0	8.5	2.0	MB-05-0050	MH-05-0050
50	100	10.0	16.0	6.0	MB-05-0100	MH-05-0100
50	150	15.0	25.0	7.0	MB-05-0150	MH-05-0150
50	200	20.0	35.0	8.0	MB-05-0200	MH-05-0200
50	250	25.0	48.0	8.0	MB-05-0250	MH-05-0250
50	300	30.0	50.0	8.0	MB-05-0300	MH-05-0300
50	400	40.0	60.0	10.0	MB-05-0400	MH-05-0400
100	50	5.0	9.0	2.0	MB-10-0050	MH-10-0050
100	60	6.0	10.0	2.0	MB-10-0060	MH-10-0060
100	100	10.0	17.0	3.0	MB-10-0100	MH-10-0100
100	150	15.0	25.0	4.0	MB-10-0150	MH-10-0150
100	200	20.0	32.0	4.0	MB-10-0200	MH-10-0200
100	250	25.0	40.0	6.0	MB-10-0250	MH-10-0250
100	300	30.0	53.0	6.0	MB-10-0300	MH-10-0300
100	400	40.0	75.0	10.0	MB-10-0400	MH-10-0400
100	500	50.0	85.0	10.0	MB-10-0500	MH-10-0500
100	1000	100.0	160.0	12.0	MB-10-1000	MH-10-1000
200	50	5.0	10.0	2.0	MB-20-0050	MH-20-0050
200	100	10.0	18.0	3.0	MB-20-0100	MH-20-0100
200	150	15.0	25.0	3.0	MB-20-0150	MH-20-0150
200	200	20.0	35.0	3.5	MB-20-0200	MH-20-0200
200	250	25.0	48.0	5.0	MB-20-0250	MH-20-0250
200	300	30.0	50.0	5.0	MB-20-0300	MH-20-0300

ADD "S" SUFFIX TO P/N, TO ORDER SURFACE MOUNT PACKAGE