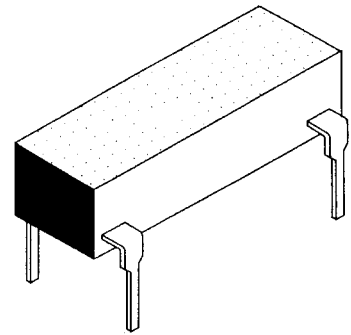
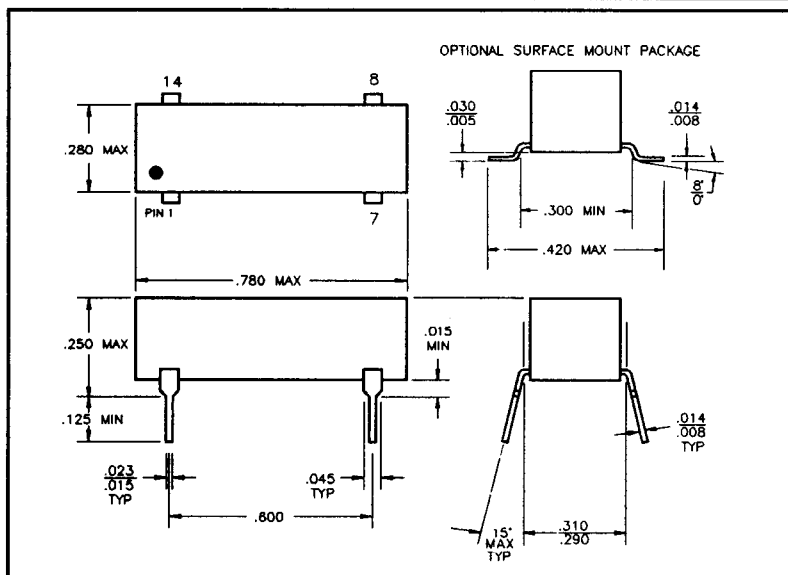
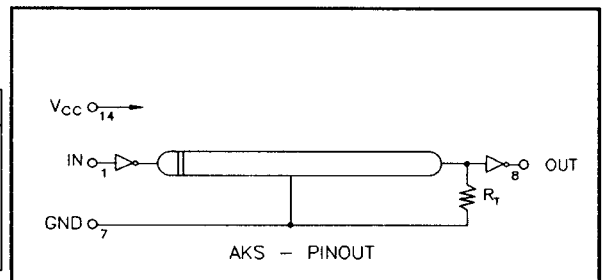


DC Electrical Characteristics			Min	Max	Unit
Parameter	Test Conditions				
VOH	High-Level Output Voltage	VCC=min. VIL=max. IOH=max	2.7		V
VOL	Low Level Output Voltage	VCC=min. VIH=min. IOL=max		0.5	V
VIK	Input Clamp Voltage	VCC=min. II=-18mA		-1.2	V
IIH	High-Level Input Current	VCC=max. VIN=2.7V		50	uA
IIH	High-Level Input Current	VCC=max. VIN=5.25V		1.0	mA
IIH	High-Level Input Current	VCC=max. VIN=0.5V		-2	mA
IOL	Low-Level Input Current	VCC=max. VOUT=0	-40	-100	mA
IOS	Short Circuit Output Current	(One output at a time)			
ICCH	High-Level Supply Current	VCC=max. VIN=OPEN		75	mA
ICCL	Low-Level Supply Current	VCC=max. VIN=0		75	mA
TRO	Output Rise Time	Td ≤ 500nS(0.75 to 2.4 Volts)		4	nS
		Td > 500nS		5	nS
NH	Fanout High-Level Output	VCC=max. VOH=2.7V		20 TTL LOAD	
NL	Fanout Low-Level Output	VCC=max. VOH=0.5V		10 TTL LOAD	



Recommended Operating Conditions			Min	Max	Unit
VCC	Supply Voltage		4.75	5.25	V
VIH	High-level Input voltage		2.0		V
VIL	Low-Level Input Voltage			0.8	V
IOH	High-Level Output Current			-1.0	mA
IOL	Low-Level Output Current			20	mA
PW	Pulse Width % of Total Delay		40		%
TA	Operating Free-Air Temperature		0	+70	°C

Input Pulse Test Conditions @ 25°C			Unit
EIN	Pulse Input Voltage	3.2	Volts
PW	Pulse Width % of Total Delay	110	%
TRI	Pulse Rise Time(0.75 - 2.4 Volts)	2.0	nS
PRR	Pulse Repetition Rate @ Td ≤ 200 nS	1.0	MHz
	Pulse Repetition Rate @ Td > 200 nS	100	KHz
VCC	Supply Voltage	5.0	Volts



TOTAL DELAY ± 2 nS OR 5%	TAP DELAYS ± 2 nS OR 5%	POLARA P/N AKS - PINOUT
25	5	AKS-0025
30	6	AKS-0030
35	7	AKS-0035
40	8	AKS-0040
45	9	AKS-0045
50	10	AKS-0050
55	11	AKS-0055
60	12	AKS-0060
65	13	AKS-0065
70	14	AKS-0070
75	15	AKS-0075
80	16	AKS-0080
85	17	AKS-0085
90	18	AKS-0090
100	20	AKS-0100
125	25	AKS-0125
150	30	AKS-0150
175	35	AKS-0175
200	40	AKS-0200
250	50	AKS-0250
300	60	AKS-0300
400	80	AKS-0400
500	100	AKS-0500

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

* ANY VALUES NOT SHOWN AVAILABLE UPON REQUEST.