

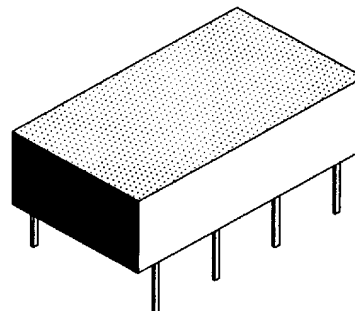
POLARA

T-47-13
AVL-SERIES

14 PIN, MILITARY GRADE, TRIPLE OUTPUT TTL ACTIVES

LOW POWER SCHOTTKY

DC Electrical Characteristics		Test Condition	Min	Max	Unit
VOH	High-Level Output Voltage	VCC=min. VIL=max. IOH=-0.4mA	2.5		V
VOL	Low Level Output Voltage	VCC=min. VIH=min IOL=4mA		0.4	V
VIK	Input Clamp Voltage	VCC=min. II=-18mA		-1.5	V
I _{IH}	High-Level Input Current	VCC=max. VIN=2.7V		20	uA
I _{IL}	Low-Level Input Current	VCC=max. VIN=5.25V		100	uA
I _{OS}	Short Circuit Output Current	VCC=max. VIN=0.4V		-0.4	mA
ICC	Supply Current	VCC=max. VOUT=0 (One output at a time)	-20	-100	mA
NH	Fanout High-Level Output	VCC=max. VIN=0V or VIN=2.7V		50	mA
NL	Fanout Low-Level Output	VCC=max.	20	LSTTL LOAD	
			10	LSTTL LOAD	



ALSO AVAILABLE IN FOLLOWING
LOGIC FAMILIES

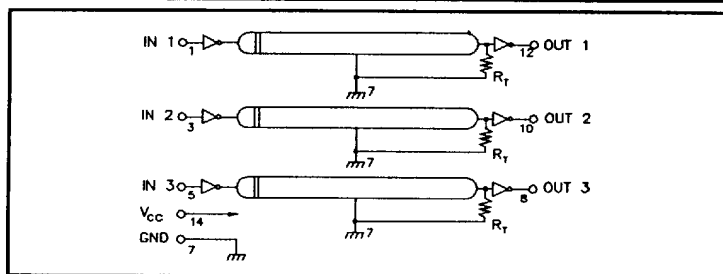
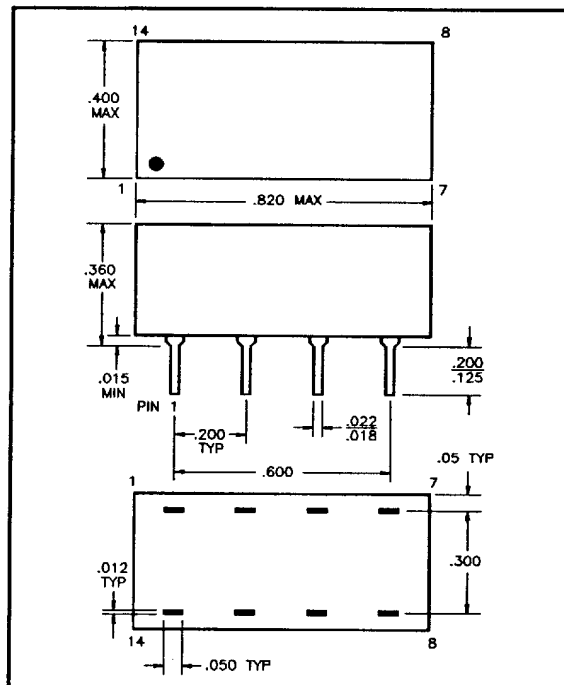
CMOS (HCT)
FAST
STTL

AVN-SERIES
AVO-SERIES
AVP-SERIES

Recommended Operating Conditions		Min	Max	Unit
VCC	Supply Voltage	4.5	5.5	V
VIH	High-level Input voltage	2.0		V
VIL	Low-Level Input Voltage		0.7	V
IOH	High-Level Output Current		-4	mA
IOL	Low-Level Output Current		4	mA
PW	Pulse Width % of Total Delay	100		%
TA	Operating Free-Air Temperature	-55	+125	°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

SECTION DELAY ± 2 nS OR 5%	POLARA P/N AVL - PINOUT
5	AVL-0005
10	AVL-0010
15	AVL-0015
20	AVL-0020
25	AVL-0025
30	AVL-0030
35	AVL-0035
40	AVL-0040
45	AVL-0045
50	AVL-0050
55	AVL-0055
60	AVL-0060
65	AVL-0065
70	AVL-0070
75	AVL-0075
100	AVL-0100
150	AVL-0150
200	AVL-0200
250	AVL-0250



* ANY VALUES NOT SHOWN, AVAILABLE UPON REQUEST.
COMPLIES WITH DESC SPEC. 87035

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