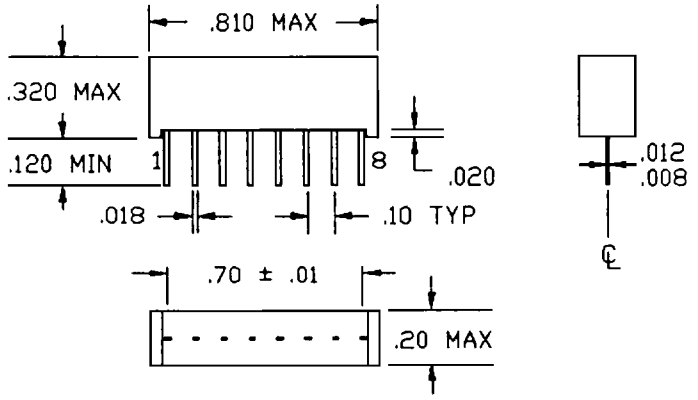
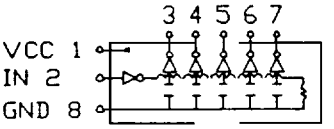
bel / defining a degree of excellence

FAST S-I-L LOGIC DELAY MODULES
5 TAP LEADING EDGE CONTROL



0462 SERIES



PART NUMBER	TOTAL DELAY	DELAY PER TAP	RISE TIME
0462-0025-02	25 NS	5 NS	3 NS
0462-0030-02	30 NS	6 NS	3 NS
0462-0035-02	35 NS	7 NS	3 NS
0462-0040-02	40 NS	8 NS	3 NS
0462-0045-02	45 NS	9 NS	3 NS
0462-0050-02	50 NS	10 NS	3 NS
0462-0060-02	60 NS	12 NS	3 NS
0462-0070-02	70 NS	14 NS	3 NS
0462-0080-02	80 NS	16 NS	3 NS
0462-0090-02	90 NS	18 NS	3 NS
0462-0100-02	100 NS	20 NS	3 NS
0462-0125-02	125 NS	25 NS	3 NS
0462-0150-02	150 NS	30 NS	3 NS
0462-0200-02	200 NS	40 NS	3 NS

DELAYS MEASURED AT 1.5 V LEVELS ON LEADING EDGE WITH NO LOADS ON TAPS
RISE & FALL TIMES MEASURED FROM 0.75 V TO 2.4 V

OTHER DELAYS AND TOLERANCES UPON REQUEST

TOLERANCES

INPUT TO TAPS ± 2 NS OR 5% WHICHEVER IS GREATER
TAP TO TAP ± 2 NS OR 7% WHICHEVER IS GREATER
RISE/FALL TIMES - MAXIMUM

NOTES:

* TRANSFER MOLDED FOR BETTER RELIABILITY
* COMPATIBLE WITH TTL AND DTL CIRCUITS
* TERMINALS: ELECTRO-TIN PLATE PHOSPHER BRONZE
* PERFORMANCE WARRANTY IS LIMITED TO SPECIFIED PARAMETERS LISTED
* SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

TEST CONDITIONS

Ein	PULSE VOLTAGE	3.2 VOLTS
Trin	RISE TIME	3.0 NS (10%-90%)
PW	PULSE WIDTH	1.2 x TOTAL DELAY
PP	PULSE PERIOD	4 x PULSE WIDTH
Iccl	SUPPLY CURRENT	35 ma TYPICAL
Vcc	SUPPLY VOLTAGE	5.0 VOLTS
Ta	AMBIENT TEMPERATURE	25°C

ELECTRICAL CHARACTERISTICS

		MIN	MAX	UNIT
Vcc	SUPPLY VOLTAGE	4.75	5.25	V
Vih	LOGIC 1 INPUT VOLTAGE	2.0		V
Vil	LOGIC 0 INPUT VOLTAGE		0.8	V
Iik	INPUT CLAMP CURRENT		-18	mA
Ioh	LOGIC 1 OUTPUT CURRENT		-1	mA
Iol	LOGIC 0 OUTPUT CURRENT		20	mA
Voh	LOGIC 1 OUTPUT VOLTAGE	2.7		V
Vol	LOGIC 0 OUTPUT VOLTAGE		0.5	V
Vik	INPUT CLAMP VOLTAGE		-1.2	V
Iih	LOGIC 1 INPUT CURRENT		20	uA
Iil	LOGIC 0 INPUT CURRENT		-0.6	mA
Ios	SHORT CIRCUIT OUTPUT CURRENT	-60	-150	mA
Icch	LOGIC 1 SUPPLY CURRENT		25	mA
Iccl	LOGIC 0 SUPPLY CURRENT		40	mA
Ta	OPERATING FREE AIR TEMPERATURE	0°	+70°	C

PW	MINIMUM INPUT PULSE WIDTH	40% OF TOTAL DELAY
d	MAXIMUM DUTY CYCLE	50%
Tc	TEMP. COEFF. OF TOTAL DELAY	100+(25000/TOTAL DELAY) PPM/°C

DRIVE CAPABILITIES

Nh	LOGIC 1 FANOUT	20 TTL LOADS MAX
Nl	LOGIC 0 FANOUT	10 TTL LOADS MAX

BELFS025

CAT25 R0-2/28/94

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