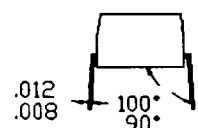
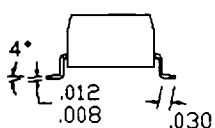
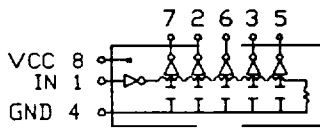
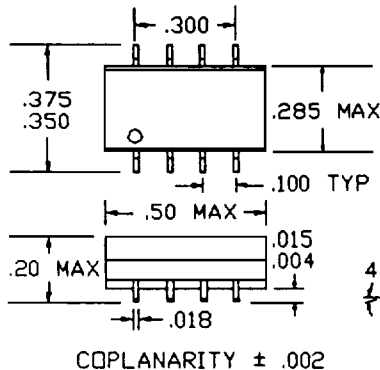


bel / defining a degree of excellence

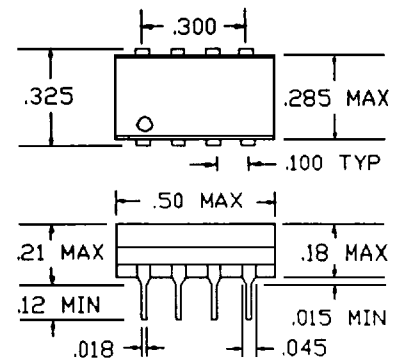
FAST

LOGIC DELAY MODULES 5 TAP LEADING & TRAILING EDGE CONTROL

S423 SERIES



A463 SERIES



SMD PART NUMBER	THRU-HOLE PART NUMBER	TOTAL DELAY	DELAY PER TAP	RISE TIME
S423-0025-A1	A463-0025-A1	25 NS	5 NS	3 NS
S423-0030-A1	A463-0030-A1	30 NS	6 NS	3 NS
S423-0035-A1	A463-0035-A1	35 NS	7 NS	3 NS
S423-0040-A1	A463-0040-A1	40 NS	8 NS	3 NS
S423-0045-A1	A463-0045-A1	45 NS	9 NS	3 NS
S423-0050-A1	A463-0050-A1	50 NS	10 NS	3 NS
S423-0060-A1	A463-0060-A1	60 NS	12 NS	3 NS
S423-0070-A1	A463-0070-A1	70 NS	14 NS	3 NS
S423-0080-A1	A463-0080-A1	80 NS	16 NS	3 NS
S423-0090-A1	A463-0090-A1	90 NS	18 NS	3 NS
S423-0100-A1	A463-0100-A1	100 NS	20 NS	3 NS

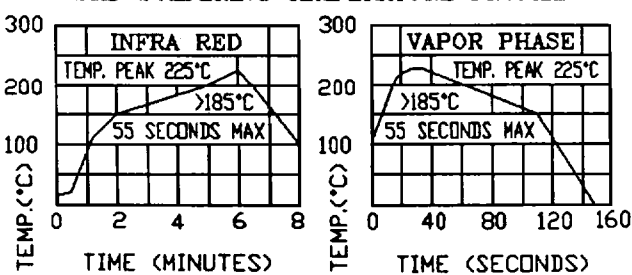
DELAYS MEASURED AT 1.5 V LEVELS ON LEADING AND TRAILING EDGE WITH NO LOADS ON TAPS
RISE & FALL TIMES MEASURED FROM 0.75 V TO 2.4 V

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

SMD SOLDERING TEMPERATURE PROFILES



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	4.75	5.25	V
Vih	2.0		V
Vil		0.8	V
Iik		-18	mA
Ioh		-1	mA
Iol		20	mA
Voh	2.7		V
Vol		0.5	V
Vik		-1.2	V
Iih		20	uA
Iil		-0.6	mA
Ios	-60	-150	mA
Icch		25	mA
Iccl		40	mA
Ta	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

NOTES:

- * TRANSFER MOLDED FOR BETTER RELIABILITY
- * COMPATIBLE WITH TTL AND DTL CIRCUITS
- * TERMINALS: ELECTRO-TIN PLATE PHOSPHOR BRONZE
- * PERFORMANCE WARRANTY IS LIMITED TO SPECIFIED PARAMETERS LISTED

|| SMD ONLY ||

- * TAPE & REEL AVAILABLE - 24mm WIDE x 12mm PITCH 500 PIECES/13' REEL
- * DESIGNED FOR VAPOR PHASE OR IR SOLDERING WITH TEMPERATURES BELOW 230°C FOR UP TO 90 SECONDS
- * SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

CAT8 R3-1/28/94

BELFS012