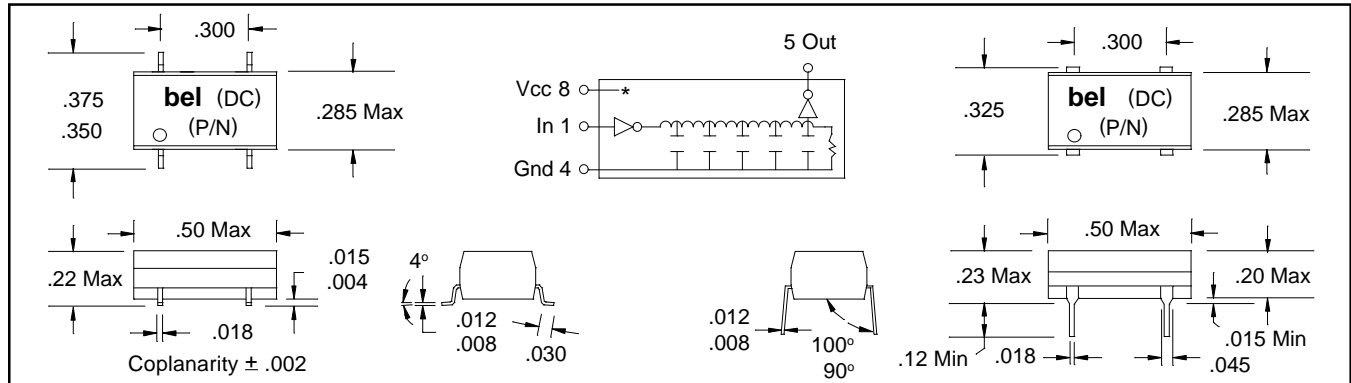


1 TAP LEADING EDGE CONTROL LOW VOLTAGE DELAY MODULES

Cat 38-R0



Part Numbers

SMD	Thru-Hole	Time Delay	Tolerance	Rise Time
S473-0005-06	A473-0005-06	5 ns	± 1.0 ns	3 ns
S473-0007-06	A473-0007-06	7 ns	± 1.0 ns	3 ns
S473-0010-06	A473-0010-06	10 ns	± 1.5 ns	3 ns
S473-0015-06	A473-0015-06	15 ns	± 1.5 ns	3 ns
S473-0020-06	A473-0020-06	20 ns	± 1.5 ns	3 ns
S473-0025-06	A473-0025-06	25 ns	± 1.5 ns	3 ns
S473-0030-06	A473-0030-06	30 ns	± 2.0 ns	3 ns
S473-0035-06	A473-0035-06	35 ns	± 2.0 ns	3 ns
S473-0040-06	A473-0040-06	40 ns	± 2.0 ns	3 ns
S473-0045-06	A473-0045-06	45 ns	± 2.0 ns	3 ns
S473-0050-06	A473-0050-06	50 ns	± 2.5 ns	3 ns
S473-0075-06	A473-0075-06	75 ns	± 3.5 ns	3 ns
S473-0100-06	A473-0100-06	100 ns	± 5.0 ns	3 ns

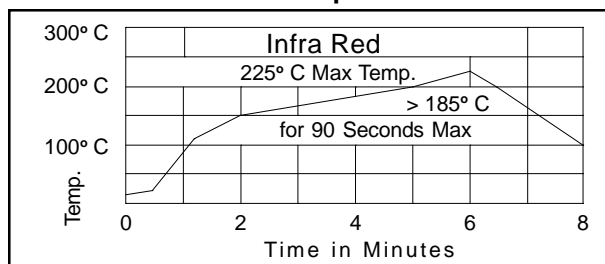
Tolerances

Input to Output ± 2 ns or 5% ,Unless otherwise specified
Delays measured @ 50% levels on Leading Edge only
with no loads on Output
Rise and Fall Times measured from 10% to 90% levels

Drive Capabilities

Nh	Logic 1 Fanout	-	10 LSTTL Loads Max.
Nl	Logic 0 Fanout	-	10 LSTTL Loads Max.

Recommended Temperature Profile



Test Conditions @ 25°C

Ein	Pulse Voltage	3.0 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	25 ma Typical
Vcc	Supply Voltage	5.0 Volts

Electrical Characteristics

	Min.	Max.	Units	
Vcc	Supply Voltage	3.0	3.6	V
Vih	Logic 1 Input Voltage	2.4		V
Vil	Logic 0 Input Voltage		0.8	V
Iik	Input Clamp Current		-20	ma
Ioh	Logic 1 Output Current		20	ma
Iol	Logic 0 Output Current		-20	ma
Voh	Logic 1 Output Voltage	2.9		V
Vol	Logic 0 Output voltage		0.1	V
Vik	Input Clamp Voltage		-0.5	V
Iih	Logic 1 Input Current		1	ua
Iil	Logic 0 Input Current		-1	ua
Icch	Logic 1 Supply Current		10	ma
Iccl	Logic 0 Supply Current		30	ma
Ta	Operating Free Air Temperature	0°	70°	C
PW	Min. Input Pulse Width of Total Delay	40		%
d	Maximum Duty Cycle		50	%
Tc	Temp. Coeff. of Total Delay (TD)	100 + (25000/TD) PPM/°C		

Notes

Transfer molded for better reliability
Compatible with TTL & DTL circuits
Terminals: Electro-Tin plate phosphor bronze
Performance warranty is limited to specified parameters listed
SMD - Tape & Reel available:
24mm Wide x 12mm Pitch, 750 pieces per 13" reel

Other Delays and Tolerances Available Consult Sales

Specifications subject to change without notice.

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