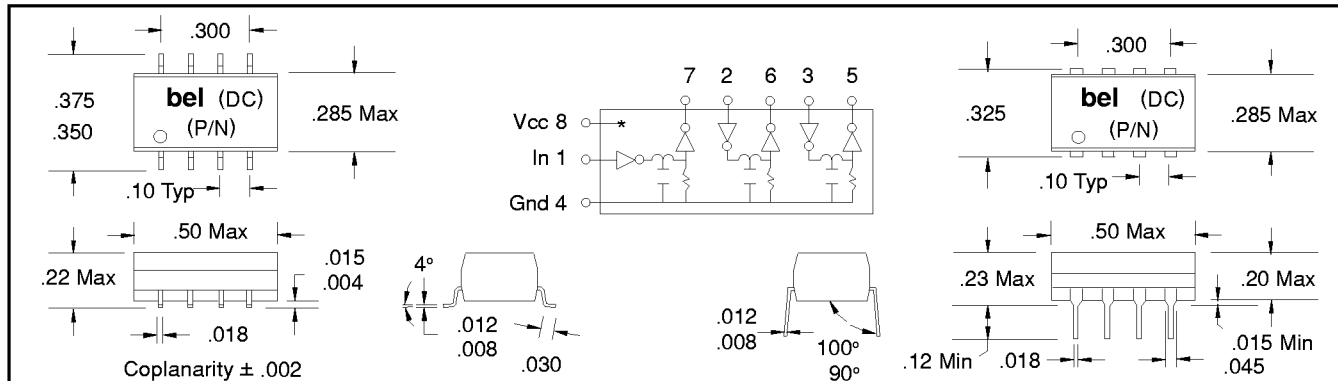


TRIPLE LINE LEADING EDGE CONTROL LOW VOLTAGE DELAY MODULES

Cat 37-R0



Part Numbers

SMD	Thru-Hole	Time Delay	Tolerance	Rise Time
S473-0005-A3	A473-0005-A3	5 ns	± 1.0 ns	3 ns
S473-0007-A3	A473-0007-A3	7 ns	± 1.0 ns	3 ns
S473-0010-A3	A473-0010-A3	10 ns	± 1.5 ns	3 ns
S473-0012-A3	A473-0012-A3	12 ns	± 1.5 ns	3 ns
S473-0015-A3	A473-0015-A3	15 ns	± 1.5 ns	3 ns
S473-0017-A3	A473-0017-A3	17 ns	± 1.5 ns	3 ns
S473-0020-A3	A473-0020-A3	20 ns	± 1.5 ns	3 ns
S473-0025-A3	A473-0025-A3	25 ns	± 1.5 ns	3 ns
S473-0030-A3	A473-0030-A3	30 ns	± 2.0 ns	3 ns
S473-0035-A3	A473-0035-A3	35 ns	± 2.0 ns	3 ns
S473-0040-A3	A473-0040-A3	40 ns	± 2.0 ns	4 ns
S473-0045-A3	A473-0045-A3	45 ns	± 2.0 ns	4 ns
S473-0050-A3	A473-0050-A3	50 ns	± 2.5 ns	4 ns

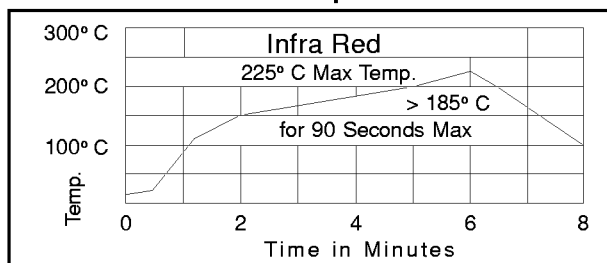
Tolerances

Input to Output ± 5% , Unless otherwise specified
Delays measured @ 1.5 V levels on Leading Edge only
with 15pf loads on Outputs
Rise and Fall Times measured from 0.75 V to 2.4 V 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	35 ma Typical
Vcc	Supply Voltage	3.3 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	40	ma
Ta	Operating Free Air Temperature	0°	70° C
PW	Min. Input Pulse Width of Total Delay	100	%
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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