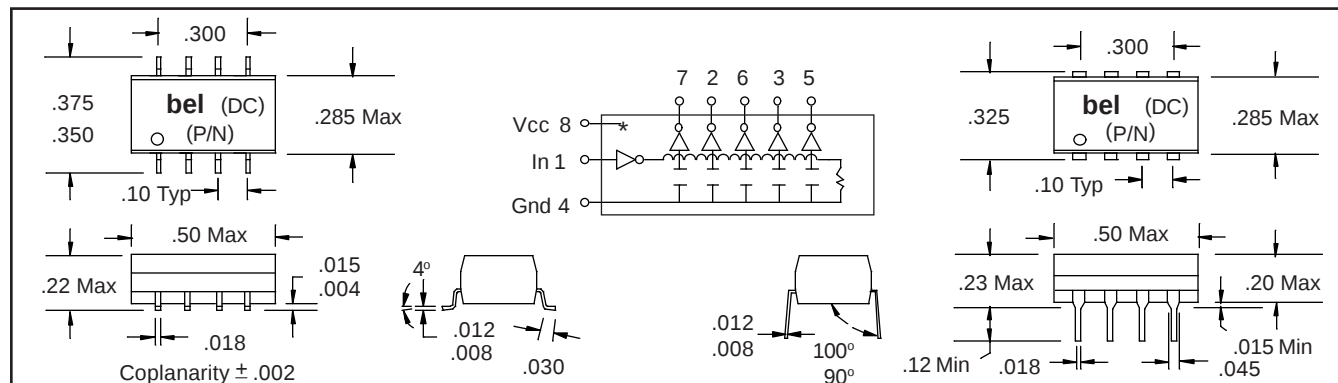


5 TAP LEADING EDGE CONTROL LOW VOLTAGE DELAY MODULES

Cat 36-R0



Part Numbers

SMD	Thru-Hole	Total Delay	Delay per Tap	Rise Time
S473-0025-02	A473-0025-02	25 ns	5 ns	3 ns
S473-0030-02	A473-0030-02	30 ns	6 ns	3 ns
S473-0035-02	A473-0035-02	35 ns	7 ns	3 ns
S473-0040-02	A473-0040-02	40 ns	8 ns	3 ns
S473-0045-02	A473-0045-02	45 ns	9 ns	3 ns
S473-0050-02	A473-0050-02	50 ns	10 ns	3 ns
S473-0060-02	A473-0060-02	60 ns	12 ns	3 ns
S473-0070-02	A473-0070-02	70 ns	14 ns	3 ns
S473-0080-02	A473-0080-02	80 ns	16 ns	3 ns
S473-0090-02	A473-0090-02	90 ns	18 ns	3 ns
S473-0100-02	A473-0100-02	100 ns	20 ns	3 ns
S473-0125-02	A473-0125-02	125 ns	25 ns	3 ns
S473-0150-02	A473-0150-02	150 ns	30 ns	3 ns

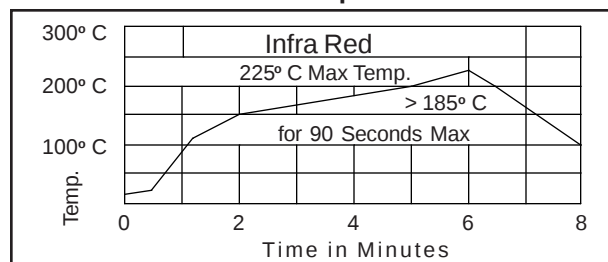
Tolerances

Input to Taps ± 2 ns or 5 %, Whichever is Greater
 Tap to Tap ± 2 ns or 7%, Whichever is Greater
 Delays measured @ 50% levels on Leading Edge only
 with no loads on Taps
 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	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		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 & CMOS 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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