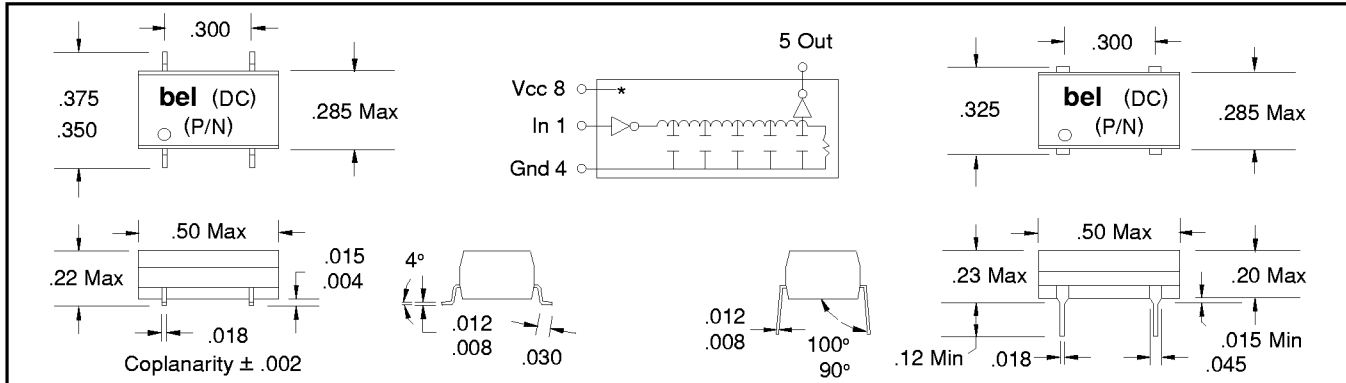




defining a degree of excellence

# 1 TAP LEADING EDGE CONTROL STANDARD DELAY MODULES

Cat 18-R2



### Part Numbers

SMD	Thru-Hole	Time Delay	Tolerance	Rise Time
S423-0005-06	A463-0005-06	5 ns	± 1.0 ns	3 ns
S423-0007-06	A463-0007-06	7 ns	± 1.0 ns	3 ns
S423-0010-06	A463-0010-06	10 ns	± 1.5 ns	3 ns
S423-0015-06	A463-0015-06	15 ns	± 1.5 ns	3 ns
S423-0020-06	A463-0020-06	20 ns	± 1.5 ns	3 ns
S423-0025-06	A463-0025-06	25 ns	± 1.5 ns	3 ns
S423-0030-06	A463-0030-06	30 ns	± 2.0 ns	3 ns
S423-0035-06	A463-0035-06	35 ns	± 2.0 ns	3 ns
S423-0040-06	A463-0040-06	40 ns	± 2.0 ns	3 ns
S423-0045-06	A463-0045-06	45 ns	± 2.0 ns	3 ns
S423-0050-06	A463-0050-06	50 ns	± 2.5 ns	3 ns
S423-0075-06	A463-0075-06	75 ns	± 3.5 ns	3 ns
S423-0100-06	A463-0100-06	100 ns	± 5.0 ns	3 ns

### Test Conditions @ 25°C

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

### Electrical Characteristics

	Min.	Max.	Units
Vcc	4.75	5.25	V
Vih	2.0		V
Vil		0.8	V
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	40		%
d		50	%
Tc	Temp. Coeff. of Total Delay (TD) 100 + (25000/TD) PPM/°C		

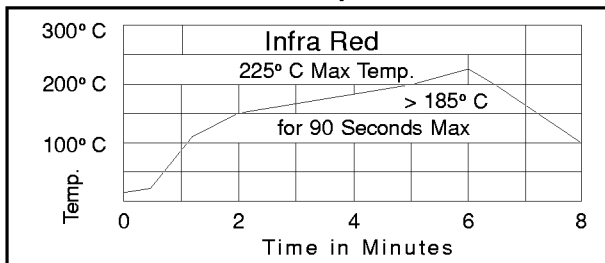
### Tolerances

Input to Output ± 2 ns or 5% ,Unless otherwise specified  
 Delays measured @ 1.5 V levels on Leading Edge only  
 with no loads on Output  
 Rise and Fall Times measured from 0.75 V to 2.4 V levels

### Drive Capabilities

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

### Recommended Temperature Profile



### 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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