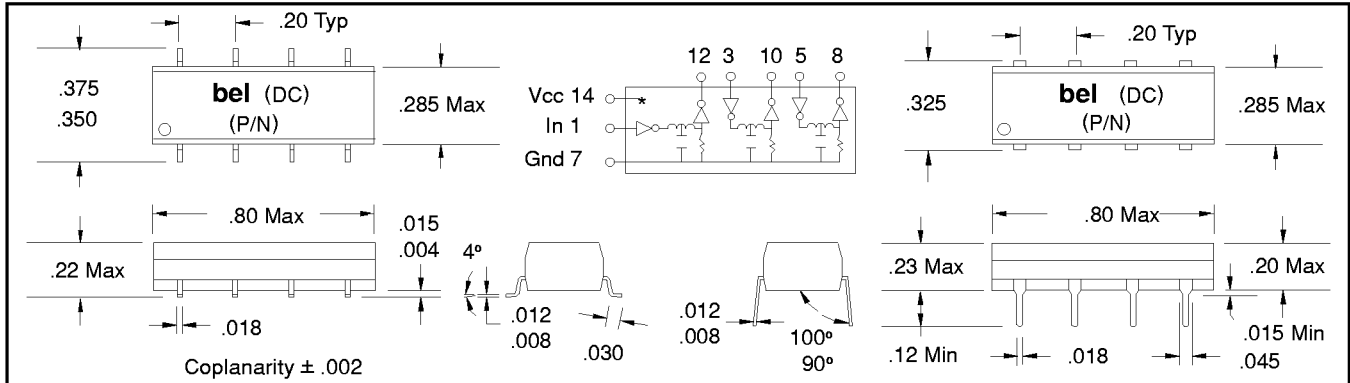




defining a degree of excellence

TRIPLE LINE LEADING EDGE CONTROL LOW VOLTAGE DELAY MODULES

Cat 33-R0



Part Numbers

SMD	Thru-Hole	Time Delay	Tolerance	Rise Time
S477-0005-A3	A477-0005-A3	5 ns	± 1.0 ns	3 ns
S477-0010-A3	A477-0010-A3	10 ns	± 1.5 ns	3 ns
S477-0015-A3	A477-0015-A3	15 ns	± 1.5 ns	3 ns
S477-0020-A3	A477-0020-A3	20 ns	± 1.5 ns	3 ns
S477-0025-A3	A477-0025-A3	25 ns	± 1.5 ns	3 ns
S477-0030-A3	A477-0030-A3	30 ns	± 2.0 ns	3 ns
S477-0035-A3	A477-0035-A3	35 ns	± 2.0 ns	3 ns
S477-0040-A3	A477-0040-A3	40 ns	± 2.0 ns	4 ns
S477-0045-A3	A477-0045-A3	45 ns	± 2.0 ns	4 ns
S477-0050-A3	A477-0050-A3	50 ns	± 2.5 ns	4 ns
S477-0060-A3	A477-0060-A3	60 ns	± 3.0 ns	4 ns
S477-0070-A3	A477-0070-A3	70 ns	± 3.5 ns	4 ns
S477-0080-A3	A477-0080-A3	80 ns	± 4.0 ns	4 ns

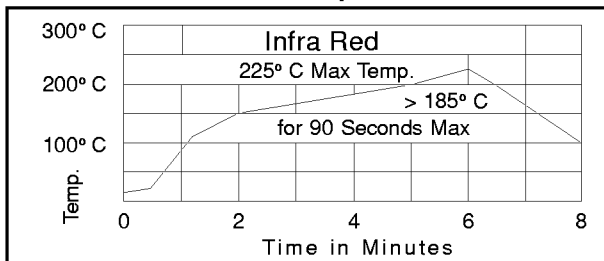
Tolerances

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	3.0	3.6	V
Vih	2.4		V
Vil		0.8	V
Iik		-20	ma
Ioh		20	ma
Iol		-20	ma
Voh	2.9		V
Vol		0.1	V
Vik		-0.5	V
Iih		1	ua
Iil		-1	ua
Icch		10	ma
Iccl		40	ma
Ta	0°	70°	C
PW	100		%
d		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:
32mm Wide x 16mm Pitch, 500 pieces per 13" reel

Other Delays and Tolerances Available Consult Sales

Specifications subject to change without notice.

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