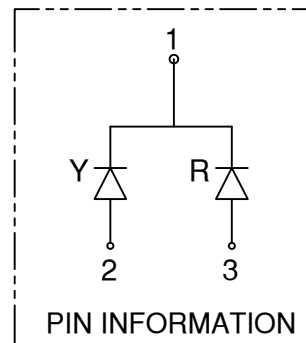
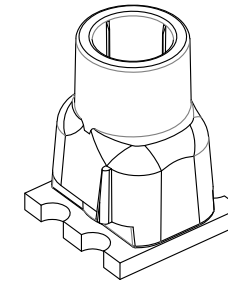
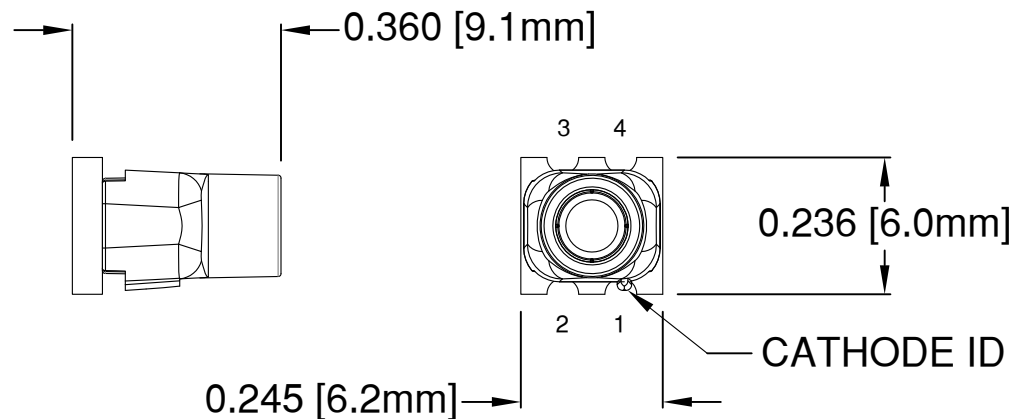


REV.	DESCRIPTION	DATE	APPROVED
B	Engineering Release	02/27/15	J. C.
C	Revised Side View, See Page 4	03/20/15	J. C.
D	Corrected Typo in Recom. Soldering Pattern	09/12/16	J. C.
E	Updated Per ECO-1353	09/23/25	A. F.



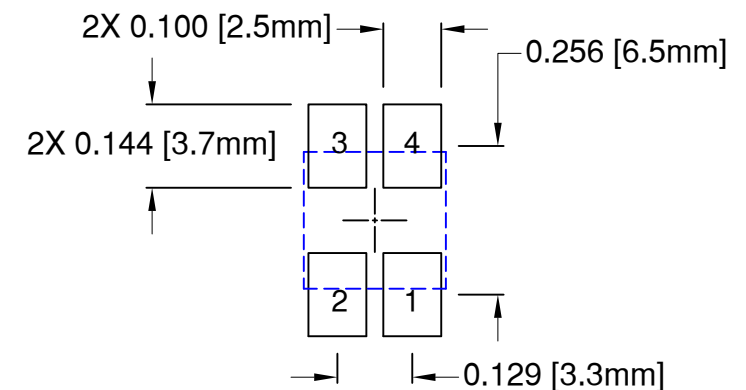
ABSOLUTE MAXIMUM RATINGS at Ta=25°C

REVERSE VOLTAGE	5V
REVERSE CURRENT	100μA
OPERATING TEMPERATURE RANGE	-35°C - 85°C
STORAGE TEMPERATURE	-35°C - 85°C
MAX SOLDERING TEMPERATURE	260°C FOR 3 SECONDS

NOTES:

- DERATING OF FORWARD CURRENT PER SEGMENT, 0.30mA/°C at T ≥ 25°C
- ACCEPTS BIVAR FLEXIBLE LIGHT PIPE STYLE FLPS2031

RECOMMENDED SOLDERING PATTERN



STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER BI-COLOR, RED/YELLOW	
.XX ± .02			
.XXX ± .010		PART NO: SMTV01-RXXYXX	
DESIGNED: A. Wright	DATE: 03/13/14	CAGE CODE : 32559 SHEET # 1 OF 4	
CHECKED: B. Oliver	DATE: 03/13/14	CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

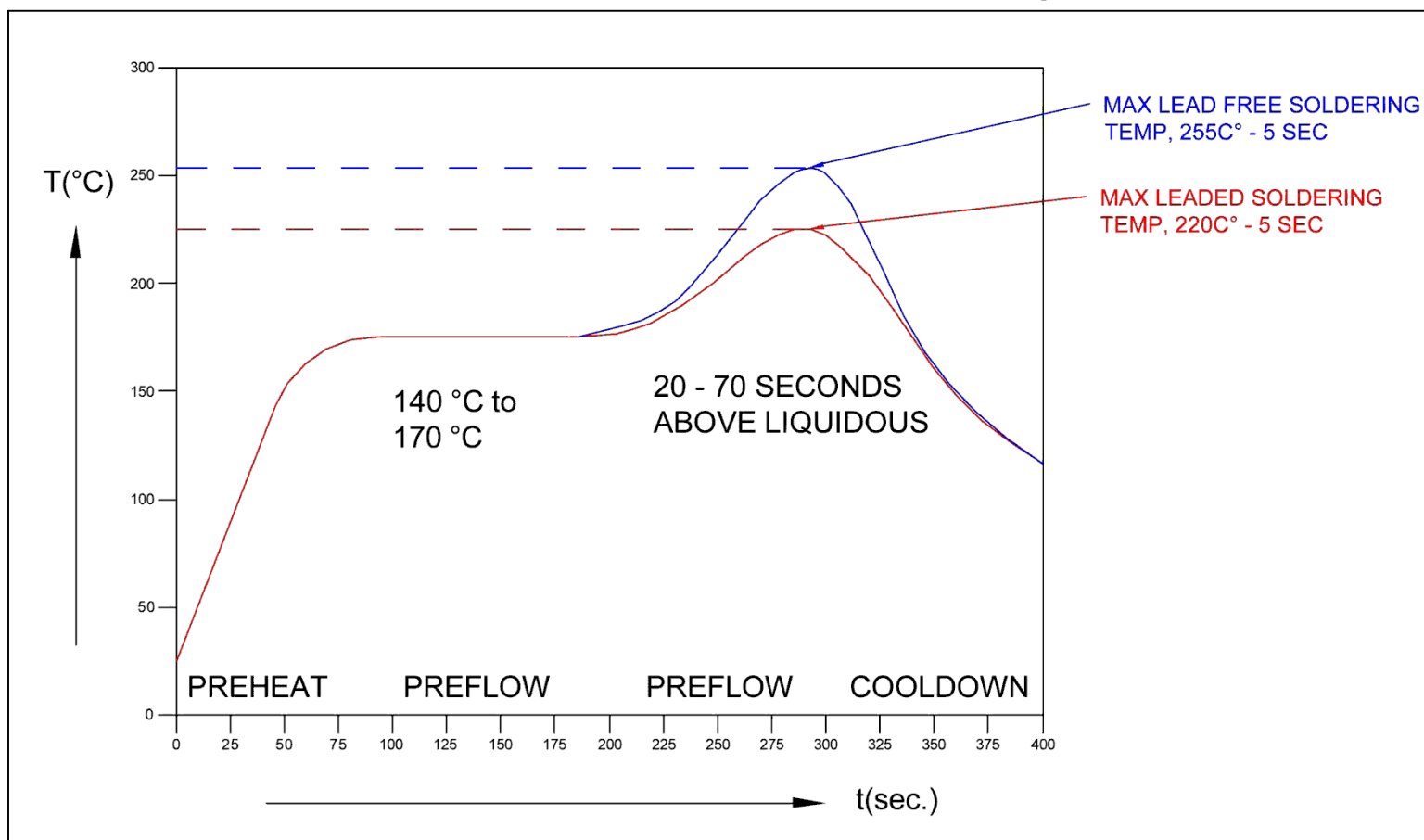
Part Number	Chip				Absolute Maximum Ratings Per Segment			Electro-Optical Data @20mA, 25°C			
	Emitted Color	λ_D [nm]			P_d [mW]	I_f [mA]	Peak I_f [mA]	V_f [V]			I_v [mcd]
		MIN	TYP	MAX				MIN	TYP	MAX	
SMTV01-R08Y08	RED	625	628	630	60	25	100	1.7	2.1	2.6	78
	YELLOW	585	590	595	60	25	100	1.8	2.1	2.6	82
SMTV01-R15Y11	RED	625	628	630	60	25	100	1.7	2.1	2.6	150
	YELLOW	585	590	595	60	25	100	1.8	2.1	2.6	110
SMTV01-R16Y14	RED	625	628	630	60	25	100	1.7	2.1	2.6	163
	YELLOW	585	590	595	60	25	100	1.8	2.1	2.6	143

Note: 10% Duty Cycle, Pulse Width ≤ 0.1 msec for Peak I_f .

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X $\pm .1$	X° $\pm 1^\circ$		TITLE: SMT FLP VERTICAL ADAPTER BI-COLOR, RED/YELLOW
.XX $\pm .02$			
.XXX $\pm .010$			
DESIGNED: A. Wright	DATE: 03/13/14	PART NO: SMTV01-RXXYXX	REVISION: E
CHECKED: B. Oliver	DATE: 03/13/14	CAGE CODE : 32559	SHEET # 2 OF 4
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Recommended Reflow Soldering Profile

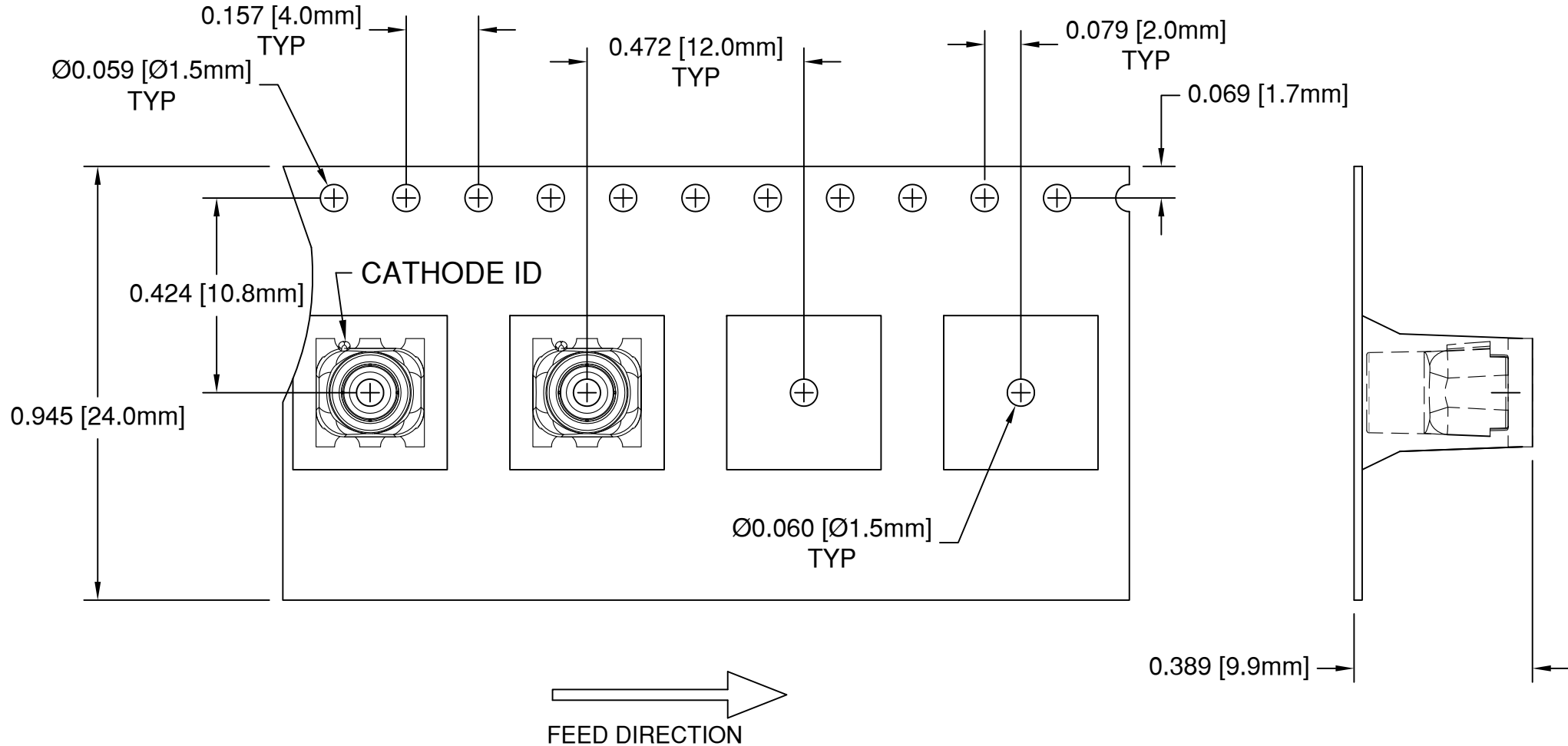


NOTE:

1. Do not clean after soldering. Only use no-clean solder paste.

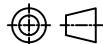
STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974		
<u>DECIMALS</u>	<u>ANGULAR</u>			
.X ± .1	X° ± 1°		TITLE: SMT FLP VERTICAL ADAPTER BI-COLOR, RED/YELLOW	
.XX ± .02				
.XXX ± .010				
DESIGNED: A. Wright	DATE: 03/13/14	PART NO: SMTV01-RXXYXX		REVISION E
CHECKED: B. Oliver	DATE: 03/13/14	CAGE CODE : 32559		SHEET # 3 OF 4
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.				

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		



NOTES:

3. MOISTURE SENSITIVITY LEVEL: 4
2. UNLESS OTHERWISE SPECIFIED, PACKAGING TO COMPLY WITH EIA-481-D
1. 1000 pcs PER REEL

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER BI-COLOR, RED/YELLOW	
.XX ± .02			
.XXX ± .010			
DESIGNED:	DATE:	PART NO: SMTV01-RXXYXX	REVISION: E
A. Wright	03/13/14		
CHECKED:	DATE:	CAGE CODE : 32559	SHEET # 4 OF 4
B. Oliver	03/13/14	CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	