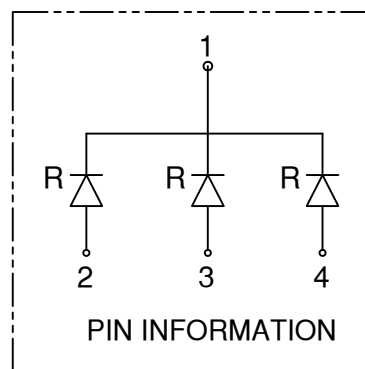
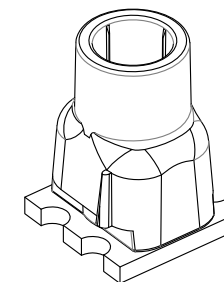
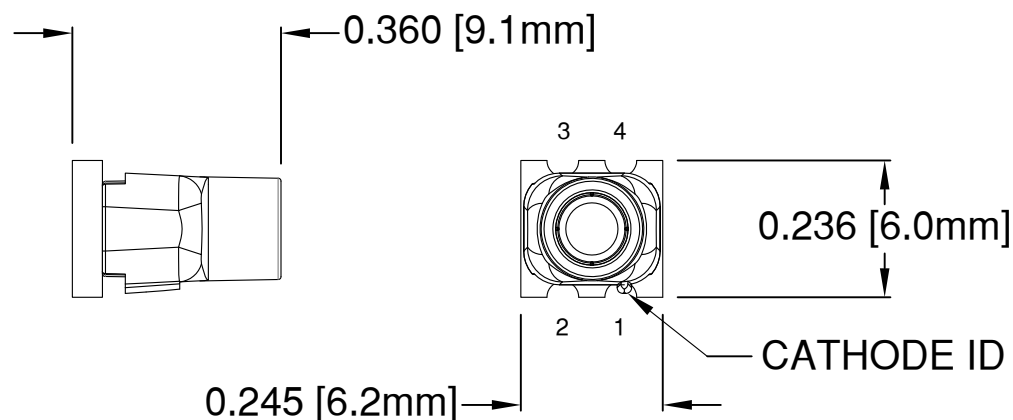


REV.	DESCRIPTION	DATE	APPROVED
B	Engineering Release	02/27/15	J. C.
C	Revised Side View, See Page 4	03/20/15	J. C.
D	Corrected Typo in Recom. Soldering Pattern	09/12/16	J. C.



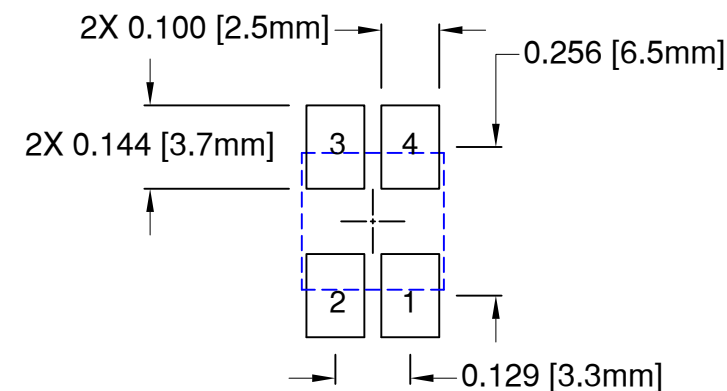
ABSOLUTE MAXIMUM RATINGS at Ta=25°C

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	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER, RED	
.XX ± .02			
.XXX ± .010		PART NO: SMTV01-RXX	
DESIGNED: A. Wright	DATE: 03/13/14	REVISION D	
CHECKED: B. Oliver	DATE: 03/13/14	CAGE CODE : 32559 SHEET # 1 OF 4	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

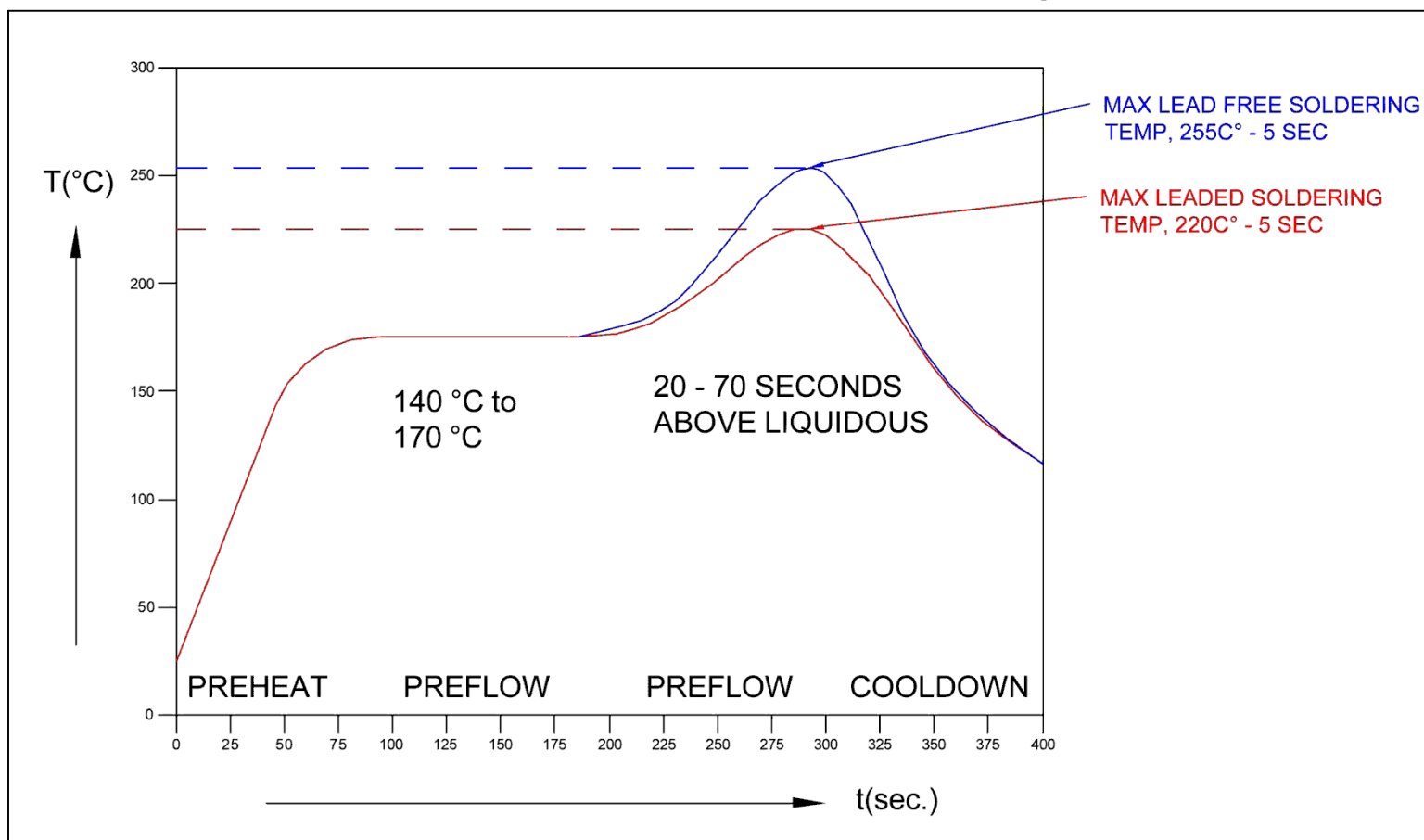
Part Number	Chip				Absolute Maximum Ratings Per Segment			Electro-Optical Data @60mA, 25°C			
	Emitted Color	λ_D [nm]			P_d [mW]	I_f [mA]	Peak I_f [mA]	V_f [V]			I_v [mcd]
		MIN	TYP	MAX				MIN	TYP	MAX	TYP
SMTV01-R25	RED	625	628	630	65	25	100	1.7	2.1	2.6	246
SMTV01-R37					65	25	100				370
SMTV01-R42					65	25	100				420

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, RED
.XX $\pm .02$			PART NO: SMTV01-RXX
.XXX $\pm .010$		DESIGNED: A. Wright	REVISION: D
		CHECKED: B. Oliver	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

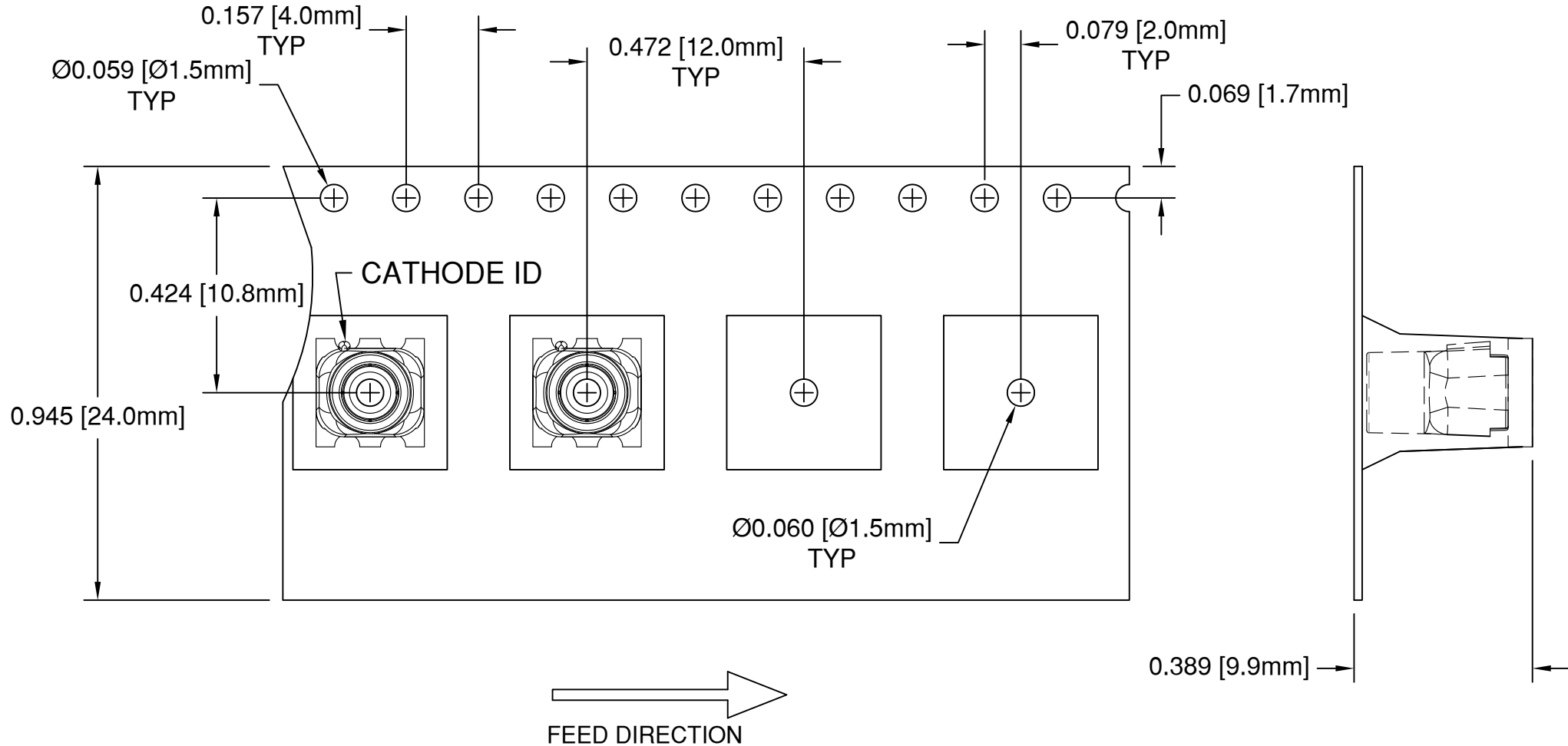


NOTE:

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	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	 TITLE: SMT FLP VERTICAL ADAPTER, RED	
.XX ± .02			
.XXX ± .010		PART NO:	REVISION:
DESIGNED: A. Wright	DATE: 03/13/14	SMTV01-RXX	D
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. 500 pcs PER REEL

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

Mouser Electronics

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BIVAR:

[SMTV01-R25](#) [SMTV01-R37](#) [SMTV01-R42](#)