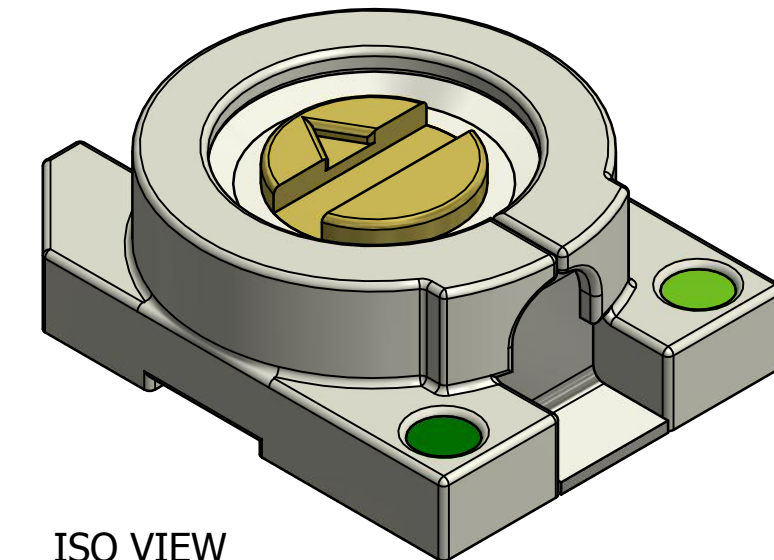


CONFIGURATION TABLE					
PART NUMBER	C MIN [pF]	C MAX [pF]	TC [PPM/°C]	Q MIN. @ 1 MHz	MARKING COLOR
JZ030HV	1.5	3.0 +50% / -0%	0 ± 200	500	BLACK
JZ060HV	2.0	6.0 +50% / -0%	0 ± 300	500	BLUE
JZ080HV	3.0	8.0 +50% / -0%	-750 ± 500	500	VIOLET
JZ100HV	2.0	10.0 +100% / -0%	0 ± 300	500	WHITE
JZ150HV	3.0	15.0 +100% / -0%	0 ± 500	500	PINK
JZ200HV	4.5	20.0 +100% / -0%	0 ± 500	500	RED
JZ300HV	5.5	30.0 +100% / -0%	-1500 ± 1000	200	ORANGE
JZ400HV	8.0	40.0 +100% / -0%	-1500 ± 1000	200	YELLOW
JZ500HV	8.0	50.0 +100% / -0%	-1500 ± 1000	200	GREEN

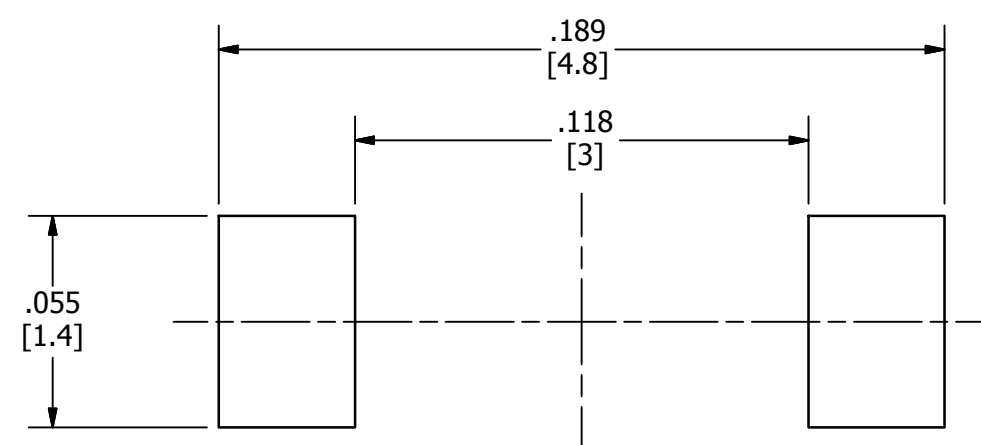
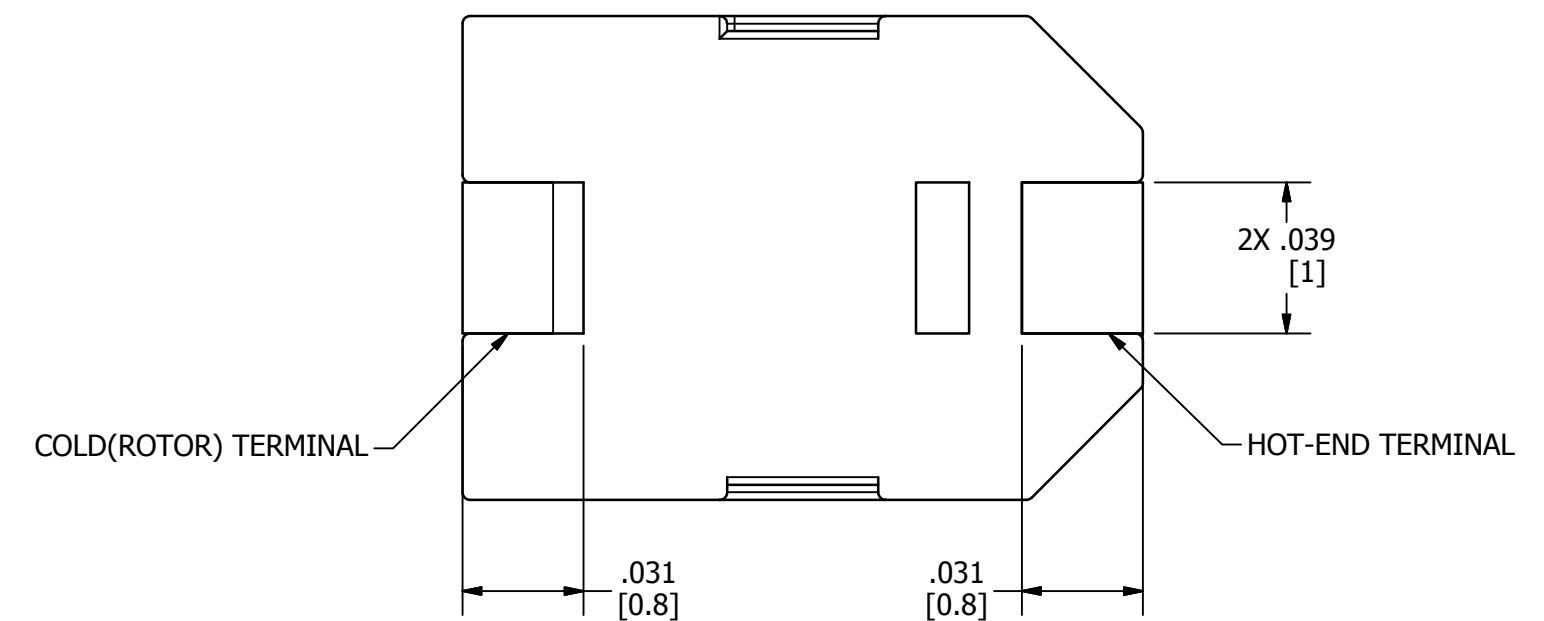
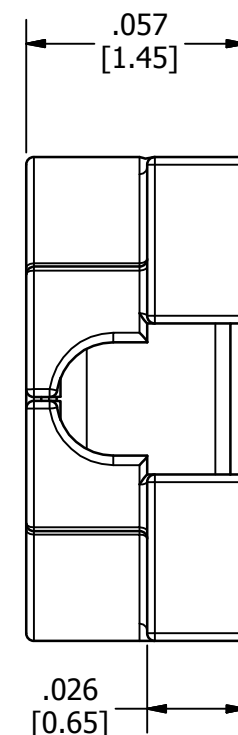
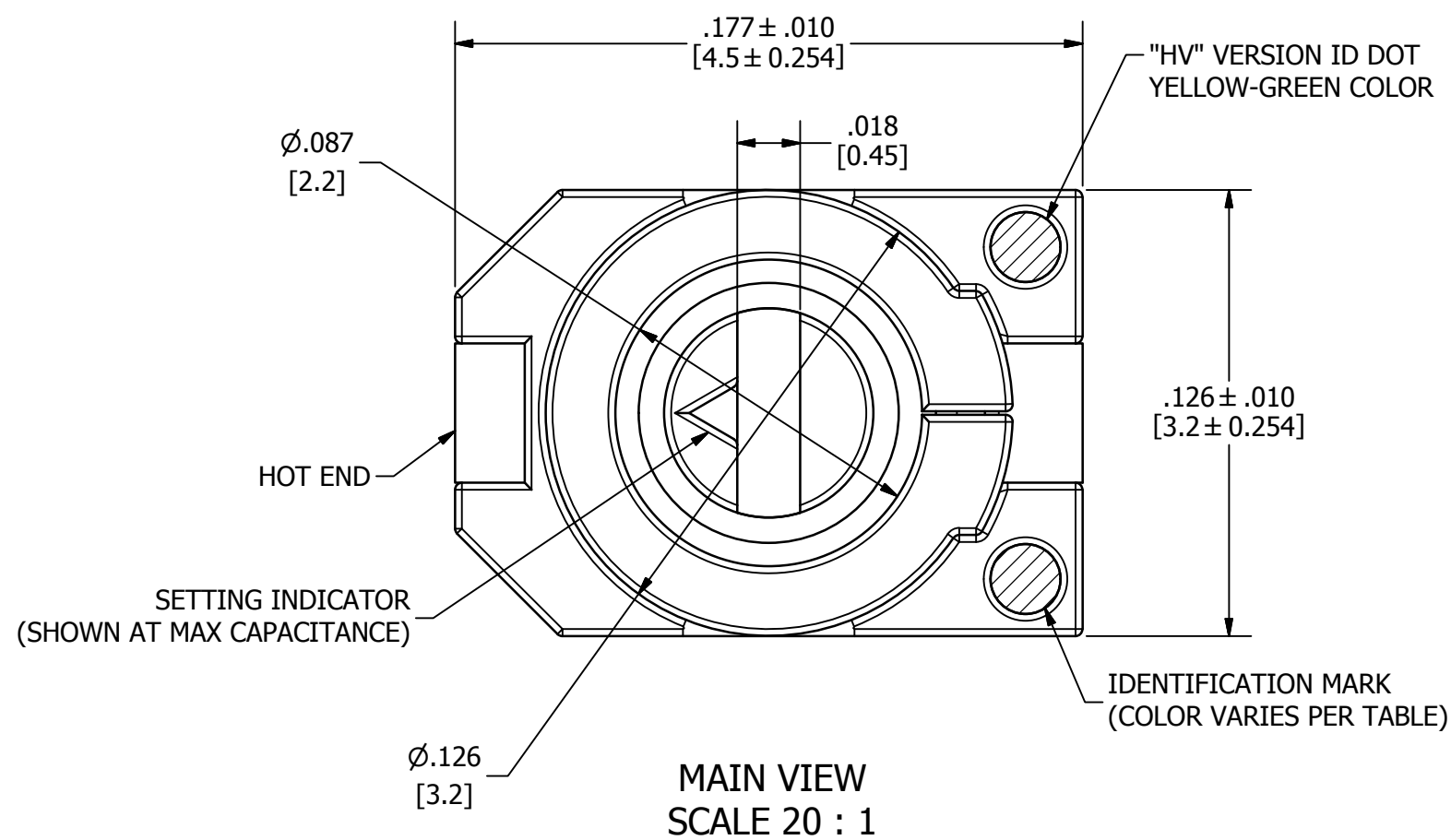
REVISION HISTORY					
ECO#	ZONE	REV	DESCRIPTION	DRAWN	APPROVED
			INITIAL RELEASE	AS 04/09/09	AG
1392	ALL	A	JZ300HV, JZ400HV, JZ500HV ADDED; UPDATED TO CURRENT STANDARDS AND LATEST SPECIFICATIONS	EC 11/26/14	TD 12/04/14

NOTES:

- INTERPRET DRAWING PER ANSI Y14.5M-1994.
- [ALTERNATE DIMENSIONS]** ARE IN MILLIMETERS.
- ELECTRICAL SPECIFICATIONS:
 - CAPACITANCE RANGE: SEE CONFIGURATION TABLE.
 - DC WORKING VOLTAGE AT MAX. RATED CAPACITANCE: 350 [VOLTS].
 - DC WITHSTANDING VOLTAGE AT MAX RATED CAPACITANCE: 770 [VOLTS].
 - Q FACTOR AT 1 [MHz] AND MAX RATED CAPACITANCE: SEE CONFIGURATION TABLE.
 - INSULATION RESISTANCE: 10⁴ [MEGAOHMS] AT 25°C.
 - TEMPERATURE COEFFICIENT: SEE CONFIGURATION TABLE.
 - SELF RESONANT FREQUENCY MEASURED AT MAX RATED CAPACITANCE
- MECHANICAL SPECIFICATIONS:
 - TUNING TORQUE: 0.14 [in·oz] TO 1.00 [in·oz].
 - ALL PARTS FURNISHED ON 12 [mm] TAPE AND REEL; 1000 PIECES PER REEL.
- ENVIRONMENTAL:
 - OPERATING TEMPERATURE: -25°C TO +85°C.
 - RoHS COMPLAINT.

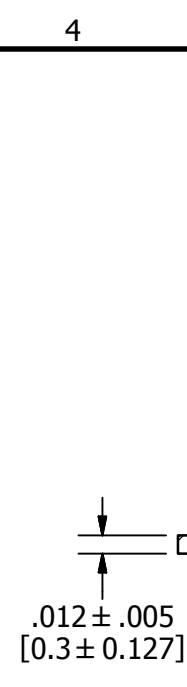


ISO VIEW
SCALE 20 : 1

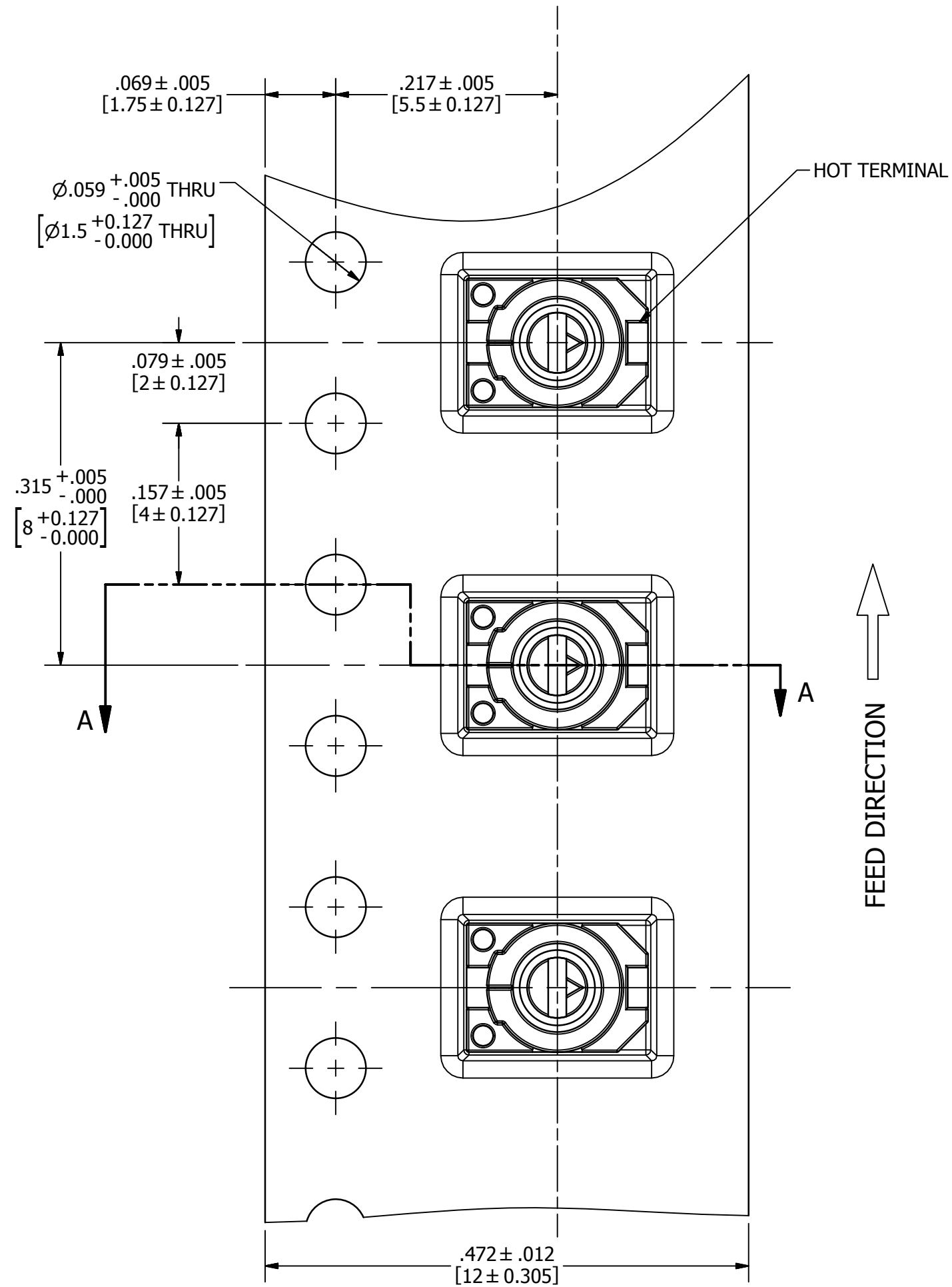


SUGGESTED FOOTPRINT
SOLDER PASTE THICKNESS OF 0.15 [mm] RECOMMENDED
SCALE 20 : 1

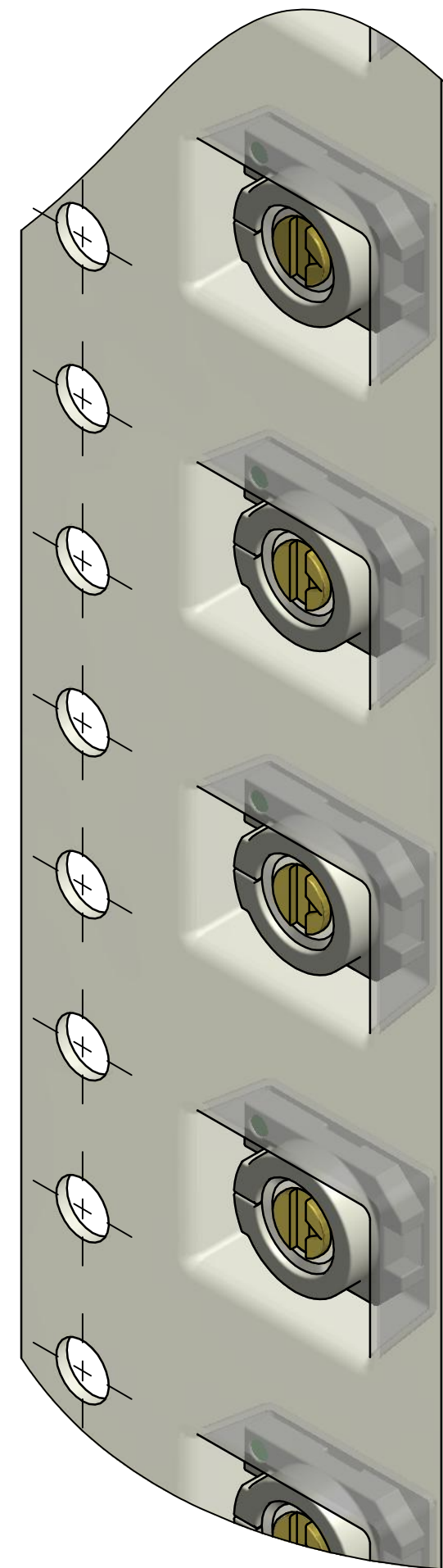
MATERIAL	N/A	DRAWN	E. CONTRERAS	11/26/2013	 VOLTRONICS THE TRIMMER CAPACITOR COMPANY 2250 NORTHWOOD DRIVE SALISBURY, MARYLAND 21801	
FINISH	N/A	CHECKED	T. BYRNE	12/10/2014		
TOLERANCES	.XX ± .XXX ±.008 .XXXX ± X° ± 1° X.X° ± 0.1°	SURFACE FINISH	32/	QUALITY ASSURANCE	G. SATTERFIELD	12/12/2014
3RD ANGLE PROJECTION		ENGINEERING		F. KHALIFEH	12/1/2014	
		T. DOLAN		12/4/2014		
INVENTOR 2013 GENERATED DWG		CUSTOMER PART NUMBER		SIZE	C	
				CAGE CODE	18736	
				PART NUMBER	JZxxxHV	
				REV	A	
				SCALE	PER VIEW	
				DWG NO.	V-70513	
				SHEET 1 OF 2		



SECTION A-A
SCALE 8: 1



CARRIER TAPE DETAIL
SCALE 8: 1



CARRIER TAPE
ISO VIEW
SCALE 8: 1

HANDLING/STORAGE PRECAUTIONS:

- i.- DO NOT USE FLOW SOLDERING.
- ii.- DO NOT APPLY SOLDER OR FLUX TO ANY PARTS BUT TERMINAL
- iii.- WHEN USING SOLDERING IRON, THE SOLDERING IRON SHOULD NOT COME IN CONTACT WITH THE HOUSING OF THE CAPACITOR.
- iv.- PLEASE REFER TO SOLDER RECOMMENDATIONS CHART.
- v.- NO-CLEAN METHOD IS PREFERRED OVER SOLVENT WASHING.
EXPERIMENT WITH SAMPLES BEFORE WASHING BY SOLVENTS.
- v.- DO NOT APPLY LOCKING SPRAY OR PAINT TO TRIMMER.
ELECTRIC SPECIFICATIONS MAY BE AFFECTED ADVERSELY.
- vi.- PRODUCT CONTAINS LUBRICATION OIL. LUBRICATION LEAKS WILL NOT AFFECT PRODUCT SOLDERABILITY.
- vii.- USE OF CERAMIC SCREWDRIVERS IS RECOMMENDED FOR TUNING.
- viii.- DO NOT APPLY AXIAL LOAD DURING TUNING IN EXCESS OF 0.3[lbf]/1.5[N].
- ix.- KEEP PARTS OUT OF DIRECT SUNLIGHT EXPOSURE. STORE PARTS IN DUST-FREE ENVIRONMENT.

SOLDERING RECOMMENDATIONS

STANDARD LEAD-FREE SOLDERING PROFILE		
STAGE	SAC305 SOLDER	EUTECTIC SOLDER
PRE-HEATING	TEMPERATURE: 150[°C] - 180[°C]	TEMPERATURE: 120[°C] - 150[°C]
	TIME: 60 - 120 SECONDS	TIME: 60 - 120 SECONDS
HEATING	TEMPERATURE: 220[°C] MIN.	TEMPERATURE: 183[°C] MIN.
	TIME: 30 - 60 SECONDS	TIME: 30 - 60 SECONDS
PEAK HEAT	TEMPERATURE: 265[°C]	TEMPERATURE: 265[°C]
	TIME: 3 SECONDS MAX	TIME: 3 SECONDS MAX
REFLOW CYCLES	2 TIMES MAX	2 TIMES MAX
SOLDERING IRON		
SPEC	TEMPERATURE 400[°C] MAX	
	TIME: 3 SECONDS MAX	

knowles VOLTRONICS
 THE TRIMMER CAPACITOR COMPANY
 2250 NORTHWOOD DRIVE
 SALISBURY, MARYLAND 21801

SIZE	CAGE CODE	PART NUMBER	REV
C	18736	JZxxxHV	A
SCALE	PER VIEW	DWG NO.	SHEET 2 OF 2
		V-70513	