


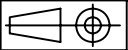
12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

PART NO.	A (MILS)	B (MILS)	MAX. C	D	E	ØF	X	Y	HOLDER	REMARK
13-034A-38	3.30 (130)	3.30 (130)	0.3	1.0	2.0	1.0	4.0	4.0	12U1/12U3	-
13-034A-37	1.10 (043)	4.82 (190)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-36	3.50 (138)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM. "X"
13-034A-35	2.16 (085)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM. "X"
13-034A-34	1.78 (070)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM. "X"
13-034A-33	1.78 (070)	5.33 (210)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-32	1.40 (055)	4.45 (175)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-31	1.40 (055)	3.43 (135)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-30	1.25 (049)	3.80 (150)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-29	2.80 (110)	9.60 (378)	0.3	2.0	7.4	1.3	9.6	4.6	12E	-
13-034A-28	1.52 (060)	5.59 (220)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-27	1.52 (060)	4.00 (160)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-26	1.05 (041)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-25	2.00 (078)	5.65 (222)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-24	2.00 (078)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-23	6.10 (240)	7.30 (287)	0.4	2.8	6.5	1.3	9.6	6.1	12C	-
13-034A-22	1.27 (050)	5.08 (200)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-21	1.78 (070)	5.59 (220)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-20	2.54 (100)	5.84 (230)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-19	1.52 (060)	5.33 (210)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-18	2.03 (080)	6.86 (270)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-17	1.90 (075)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM. "X"
13-034A-16	1.78 (070)	5.84 (230)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-15	1.27 (050)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-14	1.52 (060)	3.56 (140)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-13	1.52 (060)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-12	1.78 (070)	5.33 (210)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-11	1.78 (070)	6.86 (270)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-10	2.29 (090)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-09	1.90 (075)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-08	1.52 (060)	3.81 (150)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-07	1.52 (060)	5.08 (200)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-06	2.29 (090)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM. "X"
13-034A-05	1.65 (065)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-04	1.65 (065)	6.60 (260)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-03	1.52 (060)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-02	1.78 (070)	6.60 (260)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-01	1.27 (050)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"

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TOLERANCE UNLESS SPECIFIED X.X ±0.10 GENERAL TOL. ±0.2 X.XX ±0.05 ANGLE ±0.5° SURFACE FINISH 1.5/√ REMOVE BURRS AND SHARP EDGES ALL DIMENSIONS IN MM. 13-99-027 R03	MATERIAL: NBR	PROCESS: -	TITLE: RUBBER TIP	REV.:	
	 MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 4-5-09	SCALE: DRAWING NO:		39
		DRAFTSMAN: HS TOK	10:1		1
		CHECKER: DESMOND	13-034A-XX		3



1 2 3 4 5 6

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13-034A-76	1.05 (041)	4.70 (185)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-75	1.35 (053)	6.15 (242)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-74	1.05 (041)	4.00 (160)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-73	2.40 (094)	3.70 (145)	0.2	1.5	2.5	1.0	5.0	5.0	12U1/12U3	-
13-034A-72	1.60 (063)	3.90 (154)	0.2	1.0	3.4	1.0	5.1	2.8	12U1/12U3	-
13-034A-71	2.03 (080)	6.20 (244)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-70	1.90 (075)	5.00 (197)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-69	1.78 (070)	4.40 (173)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-68	1.78 (070)	3.80 (150)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-67	5.00 (197)	7.00 (275)	-	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE ON DIM "X & Y"
13-034A-66	4.50 (177)	4.80 (189)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-65	4.20 (165)	5.60 (220)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-64	4.20 (165)	4.60 (181)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-63	3.90 (154)	5.55 (219)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-62	3.80 (150)	4.20 (165)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-61	3.70 (146)	6.00 (236)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-60	3.60 (142)	5.90 (233)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-59	3.50 (138)	5.80 (228)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-58	3.40 (134)	6.00 (236)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-57	3.30 (130)	4.80 (189)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-56	3.30 (130)	4.00 (158)	0.2	1.0	2.0	1.0	4.0	4.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-55	3.00 (118)	4.90 (193)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-034A-54	2.75 (108)	3.50 (138)	0.2	1.0	2.0	1.0	4.0	4.0	12U1/12U3	-
13-034A-53	2.70 (106)	3.20 (126)	0.2	1.0	2.0	1.0	4.0	4.0	12U1/12U3	-
13-034A-52	2.03 (080)	3.30 (130)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-51	1.25 (050)	4.80 (190)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-50	1.78 (070)	4.00 (160)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-49	1.50 (059)	3.00 (118)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-48	2.00 (079)	8.50 (335)	0.2	1.5	6.0	1.3	9.6	4.6	12E	-
13-034A-47	2.23 (088)	6.30 (248)	0.2	1.0	3.5	1.0	7.0	4.0	12E	-
13-034A-46	1.20 (047)	3.00 (118)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-45	1.20 (047)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-44	1.05 (041)	5.00 (197)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-43	1.05 (041)	2.75 (108)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-42	1.95 (077)	2.05 (081)	0.2	1.0	2.0	1.0	4.0	4.0	12U1/12U3	-
13-034A-41	3.70 (145)	3.70 (145)	0.4	1.5	2.5	1.0	5.0	5.0	12U1/12U3	-
13-034A-40	REFER TO 13-034K-04									
13-034A-39	4.00 (158)	4.00 (158)	0.4	1.5	2.5	1.0	5.0	5.0	12U1/12U3	-

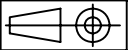
12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

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TOLERANCE UNLESS SPECIFIED		MATERIAL: NBR	PROCESS: -	TITLE: RUBBER TIP	REV. 39
X.X ±0.10 GENERAL TOL. ±0.2	X.XX ±0.05 ANGLE ±0.5°		DATE: 4-5-09	SCALE: DRAWING NO: 13-034A-XX	SHEET 2
SURFACE FINISH 1.5/	REMOVE BURRS AND SHARP EDGES		DRAFTSMAN: HS TOK		3
ALL DIMENSIONS IN MM.	13-99-027 R03		CHECKER: DESMOND		
		MMSINGAPORE@MICRO-MECHANICS.COM TEL: 67468800 FAX: 67467700			

1 2 3 4 5 6



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B

B

C

C

D


D

12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

13-034A-90	4.00 (158)	4.40 (173)	0.4	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-89	4.50 (177)	4.50 (177)	0.4	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-88	1.70 (067)	2.90 (114)	0.2	1.0	2.0	1.0	4.0	4.0	12U1/12U3	-
13-034A-87	3.81 (150)	4.57 (180)	0.2	1.0	3.5	1.0	6.0	5.0	12E	-
13-034A-86	1.95 (097)	4.80 (189)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-85	5.84 (230)	6.60 (260)	0.4	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-84	3.05 (120)	5.59 (220)	0.3	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-83	4.32 (170)	5.00 (197)	0.4	1.5	2.5	1.0	5.0	5.0	12U1/12U3	NO ANGLE ON DIM. "X"
13-034A-82	3.05 (120)	6.60 (260)	0.3	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-81	3.30 (130)	3.30 (130)	0.3	1.5	2.5	1.0	5.0	5.0	12U1/12U3	-
13-034A-80	3.00 (118)	4.50 (177)	0.3	2.5	4.0	1.0	7.0	7.0	12C	-
13-034A-79	1.50 (059)	5.20 (205)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-78	1.30 (051)	3.90 (153)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-034A-77	1.25 (049)	3.50 (138)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
PART NO.	A (MILS)	B (MILS)	MAX. C	D	E	ØF	X	Y	HOLDER	REMARK

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TOLERANCE UNLESS SPECIFIED X.X ±0.10 GENERAL TOL. ±0.2 X.XX ±0.05 ANGLE ±0.5° SURFACE FINISH 1.6/√ REMOVE BURRS AND SHARP EDGES ALL DIMENSIONS IN MM. 13-99-027 R03	MATERIAL: NBR	PROCESS: -	TITLE: RUBBER TIP	REV.:	
	 MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 4-5-09	SCALE: DRAWING NO: 13-034A-XX		39
		DRAFTSMAN: HS TOK			SHEET 3
		CHECKER: DESMOND	3		

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