

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	ØF	HOLDER
13-034B-76	0.80 (031)	2.60 (102)	0.2	0.4	12U1/12U3
13-034B-75	1.60 (063)	2.10 (083)	0.2	1.0	12U1/12U3
13-034B-74	1.60 (063)	1.80 (071)	0.2	0.4	12U1/12U3
13-034B-73	3.00 (118)	3.00 (118)	0.3	0.45	12U1/12U3
13-034B-72	1.05 (041)	1.55 (061)	0.2	0.6	12U1/12U3
13-034B-71	2.00 (079)	2.00 (079)	0.2	0.9	12U1/12U3
13-034B-70	1.90 (075)	2.60 (102)	0.2	0.7	12U1/12U3
13-034B-69	0.75 (030)	4.00 (157)	0.2	0.4	12U1/12U3
13-034B-68	1.90 (075)	1.90 (075)	0.2	0.7	12U1/12U3
13-034B-67	1.18 (046)	2.83 (111)	0.2	0.45	12U1/12U3
13-034B-66	2.31 (091)	2.31 (091)	0.2	0.7	12U1/12U3
13-034B-65	0.51 (020)	4.00 (157)	0.2	0.4	12U1/12U3
13-034B-64	0.51 (020)	0.90 (035)	0.2	0.4	12U1/12U3
13-034B-63	2.54 (100)	2.54 (100)	0.2	0.7	12U1/12U3
13-034B-62	0.70 (028)	1.46 (057)	0.2	0.4	12U1/12U3
13-034B-61	1.40 (055)	2.92 (115)	0.2	0.6	12U1/12U3
13-034B-60	0.89 (035)	4.00 (157)	0.2	0.4	12U1/12U3
13-034B-59	0.64 (025)	2.54 (100)	0.2	0.4	12U1/12U3
13-034B-58	3.00 (118)	3.00 (118)	0.3	1.0	12U1/12U3
13-034B-57	AVAILABLE AS R7F-0250-0250-0				
13-034B-56	2.00 (078)	4.00 (157)	0.2	0.7	12U1/12U3
13-034B-55	3.00 (118)	3.00 (118)	0.3	0.7	12U1/12U3
13-034B-54	3.05 (120)	3.05 (120)	0.3	0.4	12U1/12U3
13-034B-53	1.52 (060)	1.52 (060)	0.2	0.4	12U1/12U3
13-034B-52	0.64 (025)	2.79 (110)	0.2	0.4	12U1/12U3
13-034B-51	1.75 (069)	3.00 (118)	0.2	0.7	12U1/12U3
13-034B-50	1.78 (070)	3.56 (140)	0.2	0.7	12U1/12U3
13-034B-49	AVAILABLE AS R7F-0147-0147-0				
13-034B-48	0.51 (020)	0.70 (028)	0.2	0.4	12U1/12U3
13-034B-47	0.51 (020)	1.25 (049)	0.2	0.4	12U1/12U3
13-034B-46	2.00 (079)	2.00 (079)	0.2	0.7	12U1/12U3
13-034B-45	0.51 (020)	1.52 (060)	0.2	0.4	12U1/12U3
13-034B-44	0.60 (024)	0.60 (024)	0.2	0.4	12U1/12U3
13-034B-43	0.51 (020)	2.29 (090)	0.2	0.4	12U1/12U3
13-034B-42	0.96 (038)	0.96 (038)	0.2	0.4	12U1/12U3
13-034B-41	1.23 (048)	1.23 (048)	0.2	0.4	12U1/12U3
13-034B-40	1.58 (062)	1.58 (062)	0.2	0.4	12U1/12U3
13-034B-39	0.82 (032)	3.40 (134)	0.2	0.4	12U1/12U3

PART NO.	A (MILS)	B (MILS)	MAX. C	ØF	HOLDER
13-034B-38	0.89 (035)	2.79 (110)	0.2	0.4	12U1/12U3
13-034B-37	1.14 (045)	3.81 (150)	0.2	0.45	12U1/12U3
13-034B-36	0.76 (030)	2.03 (080)	0.2	0.4	12U1/12U3
13-034B-35	0.64 (025)	3.56 (140)	0.2	0.4	12U1/12U3
13-034B-34	0.75 (030)	3.56 (140)	0.2	0.4	12U1/12U3
13-034B-33	0.51 (020)	2.00 (080)	0.2	0.4	12U1/12U3
13-034B-32	0.51 (020)	2.54 (100)	0.2	0.4	12U1/12U3
13-034B-31	AVAILABLE AS R7F-0250-0250-1				
13-034B-30	0.51 (020)	1.02 (040)	0.2	0.4	12U1/12U3
13-034B-29	0.75 (030)	1.78 (070)	0.2	0.4	12U1/12U3
13-034B-28	0.64 (025)	1.50 (059)	0.2	0.4	12U1/12U3
13-034B-27	2.50 (098)	2.50 (098)	0.2	0.9	12U1/12U3
13-034B-26	1.02 (040)	2.54 (100)	0.2	0.45	12U1/12U3
13-034B-25	0.89 (035)	3.05 (120)	0.2	0.4	12U1/12U3
13-034B-24	0.64 (025)	2.29 (090)	0.2	0.4	12U1/12U3
13-034B-23	1.02 (040)	3.30 (130)	0.2	0.45	12U1/12U3
13-034B-22	1.02 (040)	2.79 (110)	0.2	0.45	12U1/12U3
13-034B-21	0.75 (030)	3.30 (130)	0.2	0.4	12U1/12U3
13-034B-20	0.75 (030)	2.79 (110)	0.2	0.4	12U1/12U3
13-034B-19	0.75 (030)	2.54 (100)	0.2	0.4	12U1/12U3
13-034B-18	0.89 (035)	3.17 (125)	0.2	0.4	12U1/12U3
13-034B-17	1.02 (040)	2.29 (090)	0.2	0.45	12U1/12U3
13-034B-16	0.64 (025)	1.60 (063)	0.2	0.4	12U1/12U3
13-034B-15	0.64 (025)	2.03 (080)	0.2	0.4	12A
13-034B-14	0.64 (025)	1.78 (070)	0.2	0.4	12U1/12U3
13-034B-13	0.89 (035)	3.30 (130)	0.2	0.4	12U1/12U3
13-034B-12	0.89 (035)	2.54 (100)	0.2	0.4	12U1/12U3
13-034B-11	1.02 (040)	3.05 (120)	0.2	0.45	12U1/12U3
13-034B-10	0.75 (030)	3.05 (120)	0.2	0.4	12U1/12U3
13-034B-09	1.02 (040)	3.56 (140)	0.2	0.45	12U1/12U3
13-034B-08	AVAILABLE AS R7F-0279-0127-0				
13-034B-07	1.52 (060)	3.81 (150)	0.2	1.0	12U1/12U3
13-034B-06	0.76 (030)	3.81 (150)	0.2	0.4	12U1/12U3
13-034B-05	1.78 (070)	3.81 (150)	0.2	0.7	12U1/12U3
13-034B-04	0.75 (030)	2.29 (090)	0.2	0.4	12U1/12U3
13-034B-03	1.27 (050)	3.05 (120)	0.2	0.6	12U1/12U3
13-034B-02	1.27 (050)	3.81 (150)	0.2	0.6	12U1/12U3
13-034B-01	1.02 (040)	3.81 (150)	0.2	0.45	12U1/12U3

TOLERANCE UNLESS SPECIFIED X.X ±0.10 GENERAL TOL. ±0.2 X.XX ±0.05 ANGLE ±0.5° SURFACE FINISH 1.5/8 REMOVE BURRS AND SHARP EDGES ALL DIMENSIONS IN MM. 13-99-027 R03	MATERIAL: NBR MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	PROCESS: -	TITLE: RUBBER TIP	REV.:
		DATE: 21-1-09	SCALE: 10:1	DRAWING NO: 13-034B-XX
		DRAFTSMAN: HS TOK		SHEET 1
		CHECKER: DESMOND		3

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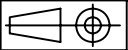
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PART NO.	A (MILS)	B (MILS)	MAX. C	ØF	HOLDER	PART NO.	A (MILS)	B (MILS)	MAX. C	ØF	HOLDER
13-034B-152	0.80 (031)	2.30 (090)	0.2	0.4	12U1/12U3	13-034B-114	0.70 (028)	0.70 (028)	0.2	0.4	12U1/12U3
13-034B-151	2.50 (098)	3.00 (118)	0.2	0.9	12U1/12U3	13-034B-113	1.14 (045)	4.00 (157)	0.2	0.4	12U1/12U3
13-034B-150	1.40 (055)	1.70 (066)	0.2	0.7	12U1/12U3	13-034B-112	2.00 (078)	2.20 (087)	0.3	1.0	12U1/12U3
13-034B-149	2.00 (078)	3.50 (137)	0.2	0.7	12U1/12U3	13-034B-111	1.60 (063)	2.20 (087)	0.2	0.7	12U1/12U3
13-034B-148	1.25 (049)	2.00 (078)	0.2	0.4	12U1/12U3	13-034B-110	1.20 (047)	2.20 (087)	0.2	0.7	12U1/12U3
13-034B-147	1.00 (039)	1.50 (059)	0.2	0.45	12U1/12U3	13-034B-109	1.20 (047)	1.60 (063)	0.2	0.7	12U1/12U3
13-034B-146	0.75 (030)	1.15 (045)	0.2	0.4	12U1/12U3	13-034B-108	2.50 (098)	2.50 (098)	0.2	0.6	12U1/12U3
13-034B-145	1.75 (069)	1.75 (069)	0.2	0.6	12U1/12U3	13-034B-107	2.50 (098)	2.50 (098)	0.2	0.4	12U1/12U3
13-034B-144	0.75 (030)	0.75 (030)	0.2	0.4	12U1/12U3	13-034B-106	1.27 (050)	1.27 (050)	0.2	0.4	12U1/12U3
13-034B-143	0.61 (024)	0.84 (033)	0.2	0.4	12U1/12U3	13-034B-105	2.10 (083)	3.40 (134)	0.2	0.7	12U1/12U3
13-034B-142	1.60 (063)	1.60 (063)	0.2	0.60	12U1/12U3	13-034B-104	2.20 (087)	2.60 (102)	0.2	0.7	12U1/12U3
13-034B-141	1.60 (063)	1.60 (063)	0.2	0.45	12U1/12U3	13-034B-103	2.79 (110)	2.79 (110)	0.3	0.7	12U1/12U3
13-034B-140	2.50 (098)	2.70 (106)	0.2	0.9	12U1/12U3	13-034B-102	1.58 (062)	1.58 (062)	0.2	0.45	12U1/12U3
13-034B-139	2.70 (106)	2.70 (106)	0.2	0.9	12U1/12U3	13-034B-101	2.46 (097)	2.68 (106)	0.2	0.9	12U1/12U3
13-034B-138	0.89 (035)	2.92 (115)	0.2	0.4	12U1/12U3	13-034B-100	AVAILABLE AS R7F-0100-0100-0				
13-034B-137	0.80 (031)	1.00 (039)	0.2	0.4	12U1/12U3	13-034B-99	3.05 (120)	3.05 (120)	0.2	0.9	12U1/12U3
13-034B-136	1.00 (039)	1.40 (055)	0.2	0.45	12U1/12U3	13-034B-98	2.62 (103)	2.84 (112)	0.2	0.9	12U1/12U3
13-034B-135	2.00 (079)	4.00 (157)	0.2	0.9	12U1/12U3	13-034B-97	2.40 (094)	2.40 (094)	0.2	0.9	12U1/12U3
13-034B-134	1.10 (043)	1.10 (043)	0.2	0.4	12U1/12U3	13-034B-96	2.30 (090)	2.80 (110)	0.2	0.9	12U1/12U3
13-034B-133	2.00 (079)	2.40 (094)	0.2	0.9	12U1/12U3	13-034B-95	2.36 (093)	2.58 (101)	0.2	0.9	12U1/12U3
13-034B-132	1.20 (047)	1.20 (047)	0.2	0.4	12U1/12U3	13-034B-94	2.52 (099)	2.74 (108)	0.2	0.9	12U1/12U3
13-034B-131	0.93 (037)	1.42 (056)	0.2	0.4	12U1/12U3	13-034B-93	2.30 (090)	2.30 (090)	0.2	0.9	12U1/12U3
13-034B-130	0.62 (024)	2.75 (108)	0.2	0.4	12U1/12U3	13-034B-92	2.20 (087)	2.70 (106)	0.2	0.9	12U1/12U3
13-034B-129	1.40 (055)	2.60 (102)	0.2	0.4	12U1/12U3	13-034B-91	1.30 (051)	1.30 (051)	0.2	0.4	12U1/12U3
13-034B-128	1.02 (040)	3.18 (125)	0.2	0.45	12U1/12U3	13-034B-90	1.70 (067)	1.70 (067)	0.2	0.6	12U1/12U3
13-034B-127	1.40 (055)	1.40 (055)	0.2	0.7	12U1/12U3	13-034B-89	1.40 (055)	2.54 (100)	0.2	0.6	12U1/12U3
13-034B-126	0.80 (031)	0.80 (031)	0.2	0.4	12U1/12U3	13-034B-88	1.75 (069)	2.10 (083)	0.2	0.7	12U1/12U3
13-034B-125	0.60 (024)	3.00 (118)	0.2	0.4	12U1/12U3	13-034B-87	1.50 (059)	2.00 (078)	0.2	0.7	12U1/12U3
13-034B-124	2.38 (094)	2.78 (109)	0.2	0.7	12U1/12U3	13-034B-86	1.52 (060)	1.52 (060)	0.2	0.7	12U1/12U3
13-034B-123	3.60 (141)	3.60 (141)	0.3	0.7	12U1/12U3	13-034B-85	0.70 (028)	1.05 (041)	0.2	0.4	12U1/12U3
13-034B-122	2.00 (079)	3.00 (118)	0.2	0.7	12U1/12U3	13-034B-84	0.60 (024)	0.89 (035)	0.2	0.4	12U1/12U3
13-034B-121	0.67 (026)	0.67 (026)	0.2	0.4	12U1/12U3	13-034B-83	1.14 (045)	1.14 (045)	0.2	0.7	12U1/12U3
13-034B-120	0.65 (026)	0.85 (033)	0.2	0.4	12U1/12U3	13-034B-82	1.58 (062)	1.58 (062)	0.2	0.7	12U1/12U3
13-034B-119	2.00 (079)	2.00 (079)	0.2	0.4	12U1/12U3	13-034B-81	1.05 (041)	2.75 (108)	0.2	0.6	12U1/12U3
13-034B-118	0.70 (028)	1.80 (071)	0.2	0.4	12U1/12U3	13-034B-80	1.50 (059)	2.49 (098)	0.2	0.6	12U1/12U3
13-034B-117	0.70 (028)	1.60 (063)	0.2	0.4	12U1/12U3	13-034B-79	1.50 (059)	3.00 (118)	0.2	0.6	12U1/12U3
13-034B-116	0.87 (034)	1.44 (057)	0.2	0.4	12U1/12U3	13-034B-78	1.78 (070)	2.03 (080)	0.2	0.7	12U1/12U3
13-034B-115	1.20 (047)	3.70 (146)	0.2	0.6	12U1/12U3	13-034B-77	1.27 (050)	3.30 (130)	0.2	0.6	12U1/12U3

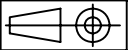
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

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TOLERANCE UNLESS SPECIFIED 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 MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	PROCESS: - DATE: 21-1-09 DRAFTSMAN: HS TOK CHECKER: DESMOND	TITLE: RUBBER TIP SCALE: - DRAWING NO: 13-034B-XX	REV. 82 SHEET 2/3
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D

1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

13-034B-153	1.80 (071)	1.80 (071)	0.2	0.4	12U1/12U3
PART NO.	A (MILS)	B (MILS)	MAX. C	ØF	HOLDER

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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.	MATERIAL: NBR	PROCESS: -	TITLE: RUBBER TIP	REV.	
	 MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 21-1-09			82
		DRAFTSMAN: HS TOK	SCALE: -	DRAWING NO: 13-034B-XX	SHEET 3
		CHECKER: DESMOND			3

13-99-027 R03

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