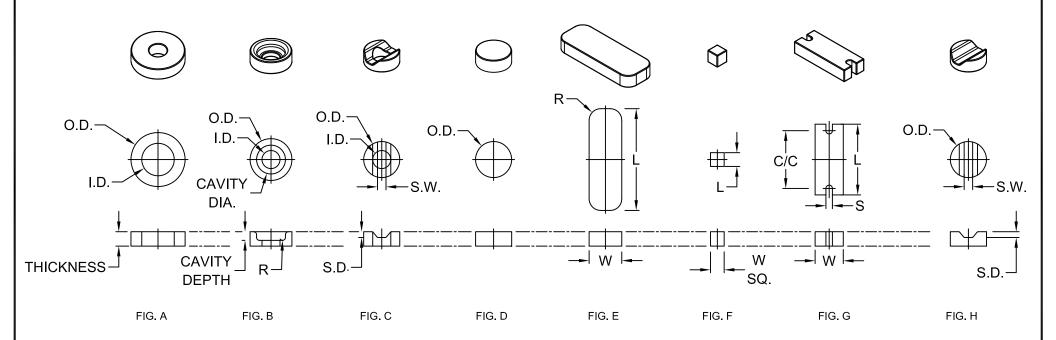
REV.	DESCRIPTION	DATE	APPROVED
Α	Engineering Release.	10/15/03	M. C.
В	Updated TO-21 ID.	09/05/06	M. C.
С	Updated Part Thickness Offered.	09/08/10	T. Y.
D	Corrected TO-13 OD Typo.	07/03/12	T. Y.
Е	Added Figure H.	07/18/12	T. Y.
F	Removed Part Numbers from Part Offering, Table 1	07/01/14	J. C.



I.D. DESCRIPTION

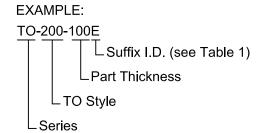
Wax

Effervescent

SUFFIX I.D.

NONE

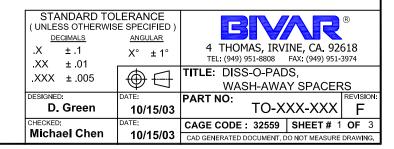
Ε



l	NOTES
	Offered for all part numbers.
	Offered for all part numbers.
	Offered for all part numbers.

CR	Color Removed	Offered for all part numbers.
DR	Detergent Removed	Offered for all part numbers.
Н	Salt	Not offered for P/Ns: TO-10, TO-11, TO-64, TO-65, TO-68.
XH	Extra Hard	Not offered for P/Ns: TO-10, TO-11, TO-64, TO-65, TO-68.

TABLE 1



REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

TO-5

PART NO.	I.D.	O.D.	THICKNESS	FIG.	TO-5
TO-5	.225 (5.7mm)	.375 (9.5mm)	.030, .040, .050, .060, .070, .085, .090, .100, .120, .130, .150, .170, .200, .230, .300	Α	Spacer
TO-6	.250 (6.4mm)	.375 (9.5mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150, .160, .180, .190	Α	I.C. Spacer
TO-9	.300 (7.8mm)	.437 (11.1mm)	.030, .040, .050, .070, .080, .090, .100, .120, .130, .150, .180, .200, .300	Α	.300 (7.6mm) L.S.
TO-13	.225 (5.7mm)	.310 (7.9mm)	.030, .040, .050, .060, .070, .080, .090, .100, .120, .130, .150	Α	Epoxy Case

TO-18

PART NO.	I.D.	O.D.	CAVITY DIA.	CAVITY DEPTH	THICKNESS	FIG.	TO-18
TO-12	.125 (3.2mm)	310 (7.9mm)	.215 (5.5mm)	.065 (1.7mm)	.080, .090, .100, .120, .130, .180	В	.250 (6.4mm) L.S.
TO-16	.125 (3.2mm)	.205 (5.2mm)	=	-	.030, .040, .045, .050, .060, .070, .080, .090, .100, .120, .130, .150, .175, .200	Α	Epoxy Case
TO-17	.170 (4.3mm)	.250 (6.4mm)	-	ı	.030, .035, .040, .050, .060, .070, .090, .100, .120, .130, .140, .150, .170, .180, .200	Α	Thin Walls
TO-18	.125 (3.2mm)	.250 (6.4mm)	-	Ī	.030, .040, .045, .050, .055, .060, .070, .080, .090, .100, .120, .125, .130, .150, .170, .190, .200, .250	Α	Standard
TO-20	.125 (3.2mm)	.290 (7.4mm)	.200 (5.1mm)	.065 (1.7mm)	.070, .090, .100, .120, .130, .150	В	.200 (5.1mm) L.S.
TO-27	.125 (3.2mm)	.290 (7.4mm)	=	•	.030, .040, .050, .060, .070, .090, .100, .120, .130	Α	Heavy Walls

AXIAL

PART NO.	I.D.	O.D.	THICKNESS	SLOT DEPTH	SLOT WIDTH	FIG.
TO-21	.125 (3.2mm)	.250 (6.4mm)	.050, .070, .080, .090, .100, .120, .130, .150, .170, .200, .230, .250	.045 (1.1mm)	.060 (1.5mm)	С
TO-35	-	.440 (11.2mm)	.100, .120, .130, .140, .150, .170, .180, .190, .220, .230, .250	.065 (1.7mm)	.230 (5.8mm)	Η
TO-36	-	.187 (4.7mm)	.050, .060, .070, .080, .090, .100, .120, .130, .150	.040 (1.0mm)	.080 (2.0mm)	Ι
TO-37	-	.156 (4.0mm)	.050, .070, .080, .090, .100, .120	.025 (.64mm)	.050 (1.3mm)	Н

ON-END/CORDWOOD

PART NO.	I.D.	O.D.	CAVITY DIA.	CAVITY DEPTH	THICKNESS	FIG.
TO-7	.075 (1.9mm)	.175 (4.4mm)	-	-	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150, .180, .210	Α
TO-8	.062 (1.6mm)	.156 (4.0mm)	-	-	.030, .035, .040, .050, .055, .060, .065, .070, .080, .085, .090, .100, .105, .120, .130, .150, .160, .190, .200, .210	Α
TO-10	.040 (1.0mm)	.085 (2.2mm)	-	-	.025, .030, .040, .050, .060, .065, .070, .080, .090, .100	Α
TO-11	.045 (1.1mm)	.100 (2.5mm)	-	-	.030, .040, .050, .060, .070, .080, .100, .110, .120	А
TO-26	.070 (1.8mm)	.187 (4.7mm)	-	-	.030, .040, .050, .060, .070, .090, .100, .120, .125, .150	Α
TO-40	.045 (1.1mm)	.156 (4.0mm)	-	-	.030, .040, .050, .060, .070, .080, .090, .100, .120, .130, .150, .160	А
TO-64	.045 (1.1mm)	.140 (3.6mm)	-	-	.030, .035, .040, .050, .060, .070, .090, .100, .120, .125, .130, .140, .150, .160, .175	А
TO-65	.075 (1.9mm)	.140 (3.6mm)	-	-	.030, .040, .045, .050, .060, .070, .080, .090, .100, .125, .130, .150, .175	Α
TO-67	.045 (1.1mm)	.140 (3.6mm)	.090 (2.3mm)	.025 (.64mm)	.050, .055, .060, .070, .090, .100, .120, .130	В
TO-68	.045 (1.1mm)	.110 (2.8mm)	.075 (1.9mm)	.025 (.64mm)	.040, .050, .055, .060, .070, .090, .100, .120, .130, .150, .160	В

SOLID

PART NO.	I.D.	O.D.	THICKNESS	FIG.
TO-29	ı	.156 (4.0mm)	.040, .050, .060, .070, .090, .100, .120, .130	D
TO-31	-	.125 (3.2mm)	.040, .050, .060, .070, .090, .100, .120, .130	D
TO-32	-	.187 (4.7mm)	.030, .040, .050, .060, .070, .080, .090, .100, .120, .130	D
TO-33	-	.250 (6.4mm)	.030, .040, .050, .060, .070, .080, .090, .100, .120, .130	D
TO-34	-	.375 (9.5mm)	.040, .050, .060, .070, .090, .100, .120, .130, .250	D

STANDARD TO	E SPECIFIED)	BV/R®
X ± 1 XX ± 01	ANGULAR X° ± 1°	4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974
.XXX ± .005	$\oplus \Box$	TITLE: DISS-O-PADS, WASH-AWAY SPACERS
D. Green	10/15/03	PART NO: TO-XXX-XXX F
CHECKED: Michael Chen	DATE:	CAGE CODE: 32559 SHEET # 2 OF 3
Wilchael Chen	10/15/03	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.

REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

GENERAL PURPOSE

PART NO.	I.D.	O.D.	THICKNESS	FIG.
TO-46	.090 (2.3mm)	.250 (6.4mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150, .200, .240	Α
TO-19	.250 (6.4mm)	.480 (12.2mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150, .190, .200, .230, .250	Α
TO-22	.225 (5.7mm)	.437 (11.1mm)	.030, .040, .050, .060, .070, .080, .090, .100, .110, .120, .130, .150, .190, .200, .250	Α
TO-23	.090 (2.3mm)	.310 (7.9mm)	.030, .040, .050, .055, .060, .070, .090, .100, .120, .130, .150, .180, .190, .200, .250	Α
TO-24	.090 (2.3mm)	.340 (8.6mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150	Α
TO-30	.275 (7.0mm)	.397 (10.0mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150	Α
TO-25	.180 (4.6mm)	.480 (12.2mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150, .250	Α
TO-28	.172 (4.4mm)	.343 (8.7mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .180, .190	Α
TO-41	.156 (4.0mm)	.360 (9.1mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .140	Α
TO-42	.250 (6.4mm)	.438 (11.1mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130	Α

RECTANGULAR & SQUARE

PART NO.	L	W	R	THICKNESS	FIG.	
TO-100	.670 (17.0mm)	.100 (2.5mm)	.031 (.79mm)	.030, .035, .040, .045, .050, .060, .065, .070, .075, .080, .090, .100, .120, .130, .150, .200	E	Rectangular
TO-101	.562 (14.3mm)	.185 (4.7mm)	-	.030, .040, .050, .060, .070, .080, .090, .100, .120, .130, .150, .160, .220	E	Rectangular
TO-102	.505 (12.8mm)	.160 (4.1mm)	-	.040, .050, .060, .070, .090, .100, .120, .130, .150	Е	Rectangular
TO-116	.666 (16.9mm)	.300 (7.8mm)	.063 (1.6mm)	.030, .040, .050, .055, .060, .065, .070, .075, .080, .090, .100, .110, .120, .125, .130, .150, .180, .200	E	Rectangular
TO-117	.666 (16.9mm)	.281 (7.1mm)	.100 (2.54mm)	.030, .040, .050, .060, .070, .080, .090, .100, .120, .125, .130, .140, .150, .160	E	Rectangular
TO-118	.705 (17.9mm)	.260 (6.6mm)	.080 (2.0mm)	.030, .040, .050, .060, .070, .080, .090, .100, .110, .120, .130, .150, .160, .170, .175, .200	E	Rectangular
TO-120	.085 (2.2mm)	.085 (2.2mm)	-	.030, .035, .040, .045, .050, .060, .070, .090, .100, .120	F	Square
TO-121	.095 (2.4mm)	.095 (2.4mm)	-	.030, .035, .040, .045, .050, .060, .070, .075, .085, .090, .095, .100, .120	F	Square

RADIAL & AXIAL DEVICE

PART NO.	C/C	s	W	L	THICKNESS	FIG.
TO-200	.100 (2.5mm)	.035 (.89mm)	.095 (2.4mm)	.190 (4.8mm)	.030, .035, .040, .050, .060, .070, .080, .090, .100, .120, .130, .150	G
TO-201	.150 (3.8mm)	.035 (.89mm)	.095 (2.4mm)	.240 (6.1mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .150	G
TO-203	.200 (5.1mm)	.035 (.89mm)	.095 (2.4mm)	.290 (7.4mm)	.030, .040, .050, .060, .070, .090, .100, .120, .130, .140, .150, .200	G
TO-204	.250 (6.4mm)	.040 (1.0mm)	.145 (3.7mm)	.340 (8.6mm)	.040, .050, .060, .070, .080, .090, .100, .120, .130, .150	G
TO-205	.300 (7.8mm)	.040 (1.0mm)	.145 (3.7mm)	.390 (9.9mm)	.040, .050, .060, .070, .090, .100, .120, .130, .150, .215	G
TO-206	.400 (10.2mm)	.045 (1.1mm)	.195 (5.0mm)	.490 (12.4mm)	.040, .050, .060, .070, .080, .090, .100, .120, .130, .150, .215	G
TO-207	.500 (12.7mm)	.045 (1.1mm)	.195 (5.0mm)	.590 (15.0mm)	.040, .050, .060, .070, .090, .100, .120, .130, .150	G

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) DECIMALS ANGULAR 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974 .X ± .1 X° ±1° .XX ± .01 TITLE: DISS-O-PADS, .XXX ± .005 WASH-AWAY SPACERS DESIGNED: DATE: REVISION: PART NO: TO-XXX-XXX F D. Green 10/15/03 CHECKED: CAGE CODE: 32559 | SHEET # 3 OF 3 Michael Chen 10/15/03 CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.