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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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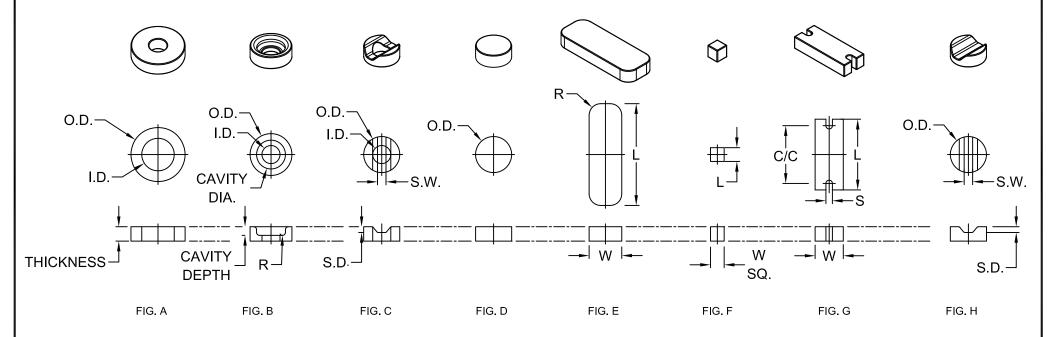
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







REV.	DESCRIPTION	DATE	APPROVED
Α	Engineering Release.	10/15/03	M. C.
В	Updated TO-21 ID.	09/05/06	M.C.
C	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.
G	Removed Part Numbers, See Page 2	03/06/15	J. C.
Н	Add Part Number, See Page 2	03/31/15	J. C.



SUFFIX I.D.

NONE

Ε

CR

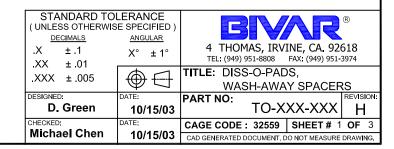
DR

# **EXAMPLE:** TO-200-100E └ Suffix I.D. (see Table 1) LPart Thickness └ TO Style ∟ Series

I.D. DESCRIPTION	NOTES
Wax	Offered for all part numbers.
Effervescent	Offered for all part numbers.
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	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	Α	-
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)	1	-	.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)	-	-	.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	i	.440 (11.2mm)	.100, .120, .130, .140, .150, .170, .180, .190, .220, .230, .250	.065 (1.7mm)	.230 (5.8mm)	Н
TO-36	-	.187 (4.7mm)	.050, .060, .070, .080, .090, .100, .120, .130, .150	.040 (1.0mm)	.080 (2.0mm)	Н
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	Α		
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	Α		
TO-64	.045 (1.1mm)	.140 (3.6mm)	-	-	.030, .035, .040, .050, .060, .070, .090, .100, .120, .125, .130, .140, .150, .160, .175	Α		
TO-65	.075 (1.9mm)	.140 (3.6mm)	-	-	.030, .035, .040, .045, .050, .060, .070, .080, .090, .100, .120, .125, .130, .150, .175	А		
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	-	.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 (UNLESS OTHERWIS		RIV	AP®
DECIMALS  .X ± .1  .XX ± .01	ANGULAR X° ± 1°	4 THOMAS, IRV	INE, CA. 92618
.XXX ± .005	$\oplus \Box$	TITLE: DISS-O-PAD WASH-AWA	S, Y SPACERS
D. Green	10/15/03	PART NO: TO-X	XX-XXX REVISION:
CHECKED: Michael Chen	10/15/03	CAGE CODE: 32559	<b>SHEET #</b> 2 <b>OF</b> 3
I WII CHACL CHICH	10/10/03	CAD GENERATED DOCUMENT. D	OO 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	Е	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

