

DIMENSION AND WEIGHT (MASS) TABLE								
H HEIGHT +0.5 mm PCB MASS				Total PID MASS	SCREW ADJUST	SCREW HEX HEAD		
		Ø DIA	Per Ball	QTY	Mass			
4.0mm	90g	1.5mm	0.031g	290~300	9.0g	18g	2-56	0.035
4.5mm	120g	2.0mm	0.073g	160~170	12.0g	21g	4-40	0.050
5.0mm	130g	2.3mm	0.102g	120~125	13.0g	22g	6-32	1/16
7.5mm	140g	2.5mm	0.143	95~100	14.0g	29g	6-32	1/16

U.S PATENT US 9521753 B1 OTHER PATENTS PENDING

NOTES: (Unless Otherwise Specified). 1) DIMENSIONS INCH (min)

APLICATION NOTES:

Contact TopLine for help to select the best PID for your aplication.

NOTES 2 MOUNTING STYLE (Replace N)

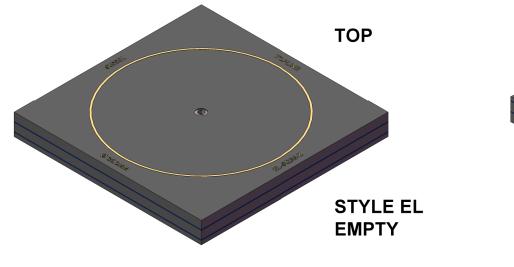
4= BGA SAC305 (FB) 1= LGA (FL) 5= BGA SnPb (FP

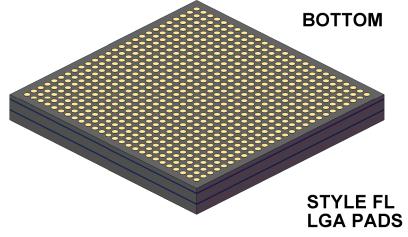
2= SCREW (FS)

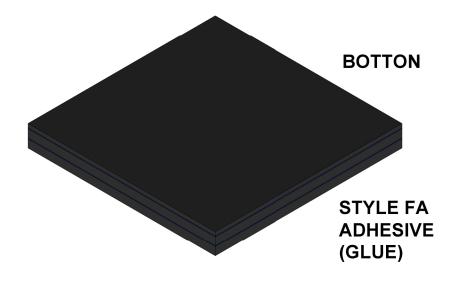
3= ADHESIVE (FA) 9=	CUS	TOM
---------------------	-----	-----

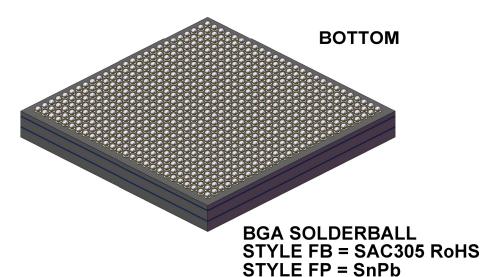
APPROVALS		DATE	TopLine [®]				
DRAWN	T.Au	12/25/2017	<u> </u>				
ENG	M. Hart	12/25/2017	TITLE EL-SQ35-Z				
MFG			PID VIBRATION DAMPER				
QA			SCALE SIZE DRAWING NO. REV				REV
CUST			2:1 A 703526 A				A
REVISED			DO NOT SCALE DRAWING SHEET			Γ 1 OF 3	

MODELS ATTACHMENT VARIATIONS









<u>TopLine</u> ®							
TITLE P	TITLE EL-SQ35- Z PID VIBRATION DAMPER						
SCALE SIZE DRAWING NO. REV 2:1 A 703526 A							
DO NOT SCALE DRAWING SHEET 2 OF 3							

PART NUMBER SYSTEM

<u>F</u>	A	12	SQ	<u>35x</u>	<u>5.0</u>	A
Series	Mounting on PCB	Tungsten Mass Grams (Mins.)	Shape	X/Y Size	Height	Version/Option
Filled	Mounting Style	Code ● Grams	Code ● Shape	Code Size	Code Height	Code Version
F = FR4 Case	A = Adhesive	9.0 = 9.0				
A = Al Case		12 = 12.0gm	SQ = Square	35x = 35mm SQ	4.0 = 4.0mm	A = Standard
	L = LGA	13 = 13.0gm	R = Rectangle		4.5 = 4.5mm	T = Tunable
	NiAu Solderable	14 = 14.0gm	C = Cylindrical		5.0 = 5.0mm	
	Bottom Terminal		T = Toroid		7.5 = 7.5mm	
<u>Empty</u>			Z = Custom			
	B = BGA	Other Mass Available				
E = FR4 Case	SAC Solder Ball			Other Sizes	Other Sizes	Other Version
L = Al Case				Available	Available	Available
	P = BGA					
	SnPb Solder Ball					
	S = SCREW Fastener					

ORDER NUMBER

1	<u>3</u>	013	1
Alloy	Mount to PCB	Mass (gram) 9 = Decimal	Option Code
Code ● Description 1 = Filled PID 5 = Eng Dev Kit 7 = Empty Pkg	Code ● Description 1 = LGA 2 = Screw 3 = Adhesive 4 = BGA SAC305 5 = BGA Sn63/Pb37 9 = Custom	Code ● Grams 990 = 9.0gm 012 = 12.0 gm 013 = 13.0 gm 014 = 14.0 gm	Code Mil 1 = Version A 2 = Version B 3 = Version C 9 = Version J

<u>TopLine</u> °							
TITLE EL-SQ35-Z PID VIBRATION DAMPER							
SCALE	SIZE DRAWING NO. REV						
NONE	DNE A 703526 A						
DO NOT	SHEET	3 OF 3					