

DIMENSION AND WEIGHT (MASS) TABLE								
H PCB TUNGSTEN BALLS IN C				ALLS IN CA	AVITY	PID SCREW F		SCREW HEX HEAD
		Ø DIA	Per Ball	QTY	Mass			
4.0mm	130g	1.5mm	0.031g	425~475	13g	27g	2-56	0.035
4.5mm	170g	2.0mm	0.073g	230~260	17g	32g	4-40	0.050
5.0mm	180g	2.3mm	0.102g	177~200	18g	33g	6-32	1/16
7.5mm	210g	2.5mm	0.143	150~166	21g	47g	6-32	1/16

MODEL

U.S PATENT US 9521753 B1 OTHER PATENTS PENDING

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

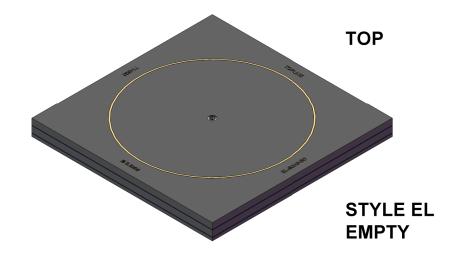
APLICATION NOTES:

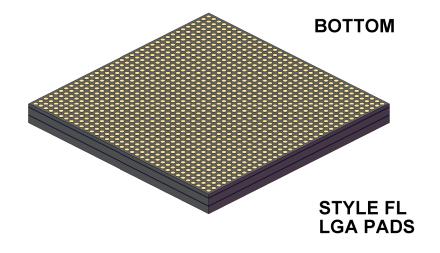
Contact TopLine for help to select the best PID for your aplication.

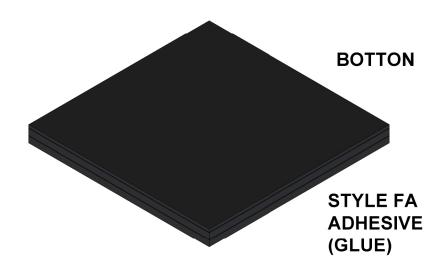
3= ADHESIVE (FA) 9= CUSTOM

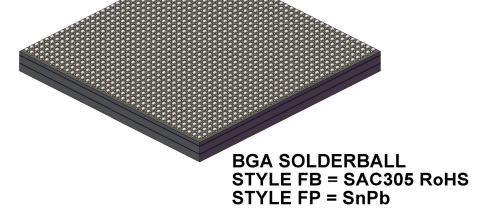
APPROVALS		DATE	TopLine [®]				
DRAWN	T.Au	12/25/2017					
ENG	M. Hart	12/25/2017	TITLE EL-SQ45-BD				
MFG			PID VIBRATION DAMPER				
QA			SCALE SIZE DRAWING NO. REV			REV	
CUST			3:2 A 704530 A			Α	
REVISED			DO NOT SCALE DRAWING SHEET 1			1 OF 3	

MODELS ATTACHMENT VARIATIONS









<u>TopLine</u> ®							
TITLE	TITLE EL-SQ45-BD PID VIBRATION DAMPER						
SCALE	SIZE DRAWING NO. RE						
3:2	A 704530			Α			
DO N	IOT SCALE [SHEET	2 OF 3				

BOTTOM

PART NUMBER SYSTEM

<u>F</u>	A		SQ	<u>45x</u>	<u>7.5</u>	A
Series	Mounting on PCB	Tungsten Payload Grams (Mins.)	Exterior 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	13 = 13.0gm				
A = Al Case		17 = 17.0gm	SQ = Square	45x = 45mm SQ	4.0 = 4.0mm	A Standard
	L = LGA	18 = 18.0gm	R = Rectangle		4.5 = 4.5mm	
	NiAu Solderable	21 = 21.0gm	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

<u> </u>	<u> </u>	021	<u> </u>
DESCRIPTION	Mount Style	Mass (gm) 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 ● MASS 013 = 13.0gm 017 = 17.0 gm 018 = 18.0 gm 021 = 21.0 gm Blank = Empty	Code Option 1 = Version A 2 = Version B 3 = Version C 9 = Version J

<u>TopLine</u> °							
TITLE EL-SQ45-BD PID VIBRATION DAMPER							
SCALE	SIZE DRAWING NO. REV			REV			
NONE	Α	704530 A					
DO NOT	SHEET	3 OF 3					