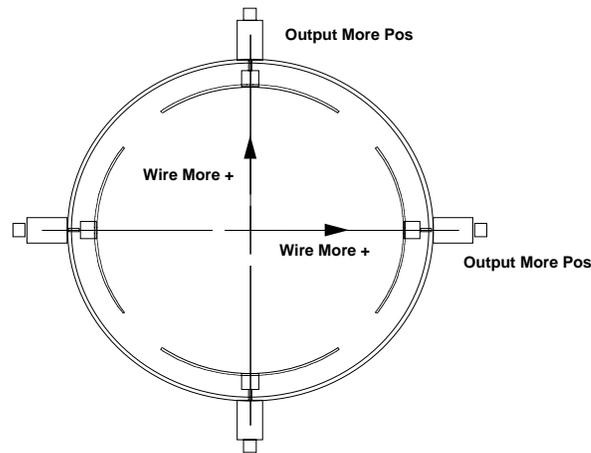


BEAM POSITION MONITOR DATA SHEET

Jim Fitzgerald
Sept. 2007

Booster Corrector BPM Dwg. No. 0320-090-MD-394546



Booster Corrector BPM, Top View as mounted in the Test Stand

BPM Type :	Strip Line, Four Electrodes, Floating, No Termination, SMA type Ports
BPM Housing Outside Diameter :	5.375 in (136.525 mm)
Aperture Inside Dia. :	4.5 in Dia (111.125 mm)
BPM Length :	14.313 in (363.55 mm) (With No Flanges or Extensions)
BPM Housing Inside Diameter :	5.250 in (133.35 mm)
Electrode Length :	13.313 in (338.150 mm)
Electrode Width :	70 Deg. (4.5 in Inside Diameter, or 2.750 Arc Length)
Electrode Material :	Chamfered at corners .625 in x 45 deg. to Improve Impedance Matching
Housing Material :	Stainless Steel Type 316, .063 wall, Made from 4.5 in Diameter Tube Stainless Steel Tube Type 316, 5.375 Outside Dia, 5.125 in Inside Diameter Annealed to reduce Magnetic Permeability to less than .01 overall.
Connector Type :	SMA, .375 in Dia, .87 in Total Length, 168 in Pin Length Ceramaseal Part No. 8071-02-W (Modified for shorter pin length)
Electrode Supports :	Radial Segments (4), 100 Deg, .5 in Width, Overlapping 5 Deg. forming a 360 Deg support ring, Material "PEEK" Poly Ether Ether Ketone
BPM Locating Keys :	Located at 4.813 in from end of BPM (Mag Pocket Dim to BPM end)
BPM Test Stand Orientation :	The BPM mounted in the Test Stand Orientation, as noted in the Fig. Above