



Advanced Antenna Solutions  
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Folded Collinear Dipole  
VS  
Standard Dipole

Performance	Folded Collinear Dipole (FDC)	Collinear Dipole
Typical Gain	9dBi	3.5dBi
Efficiency	92 - 95%	70-75%
Band Width under 1.5 VSWR	100+% of operating signal	15% of operating signal
Durability	Industrial Grade	Commercial Grade
Weather Proof	Meets IP67	Meets IP54
Typical height	8inches or (20.4cm)	16inches or (40.65cm)
Connection	N-Males	SMA or RPSMA
Origin	USA Made/Assembled	Off Shore, Typ. China
Material	HDPE Polytech PE4710	Molded PVC
Connection	Nickle Plated Brass or 316SS	Nickle Plated Brass
Weather Resistance	Fully all seasons	Fair in Summer/Spring/Fall
UV Resistant	Yes, no surface oxidation	Minimal oxidation 0.01 inch
Affected By Icing (winter)	Minimal signal attenuation	Danger of Malfunction Breakage
Radiation Pattern	Omni-directional	Omni-directional
Cost	Under \$70.00 Stainless Under \$100.00	\$20 to \$100.00
Customization	Always and cost effective	Usually no or very costly
Patented	Pending	Old Technology - No