

Abstracts

Instantaneous Bearing Discriminators with Omnidirectional Coverage and High Accuracy

S. Rehnmark. "Instantaneous Bearing Discriminators with Omnidirectional Coverage and High Accuracy." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 120-122.

Monopulse Bearing Discriminators, with full omni-azimuthal coverage, designed specifically for high probability of detection in dense signal environments are presented. S-band (2-4 GHz) developmental models give angle of arrival information on a single pulse basis with bearing errors less than 1.7 degrees RMS within ± 40 degrees of elevation angle. The theoretical bearing error (perfect components) is less than ± 1 degree peak.

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