THE DESIGN OF I-SHAPED DEFECTED GROUND STRUCTURE DIRECTIONAL

**COUPLER** 

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**ABSTRACT** 

In the many microwave applications the directional couplers are highly useful for the good coupling. Here the model of the directional coupler is being presented to provide the better characteristics. The proposed structure has Ishaped defects in the ground which provide the coupling of 20.6db which is near to 20db (required) at the frequency of 1.7GHz.The return loss and the directivity are also one of the effective measures for the coupler which also shows the

effectiveness of the coupler.

**KEYWORDS:** Directional Coupler, Directivity, Return Loss