

# POWER COMBINER

In the field of microwave engineering and circuit design, the **Wilkinson Power Divider** is a specific class of power divider circuit that can achieve isolation between the output ports while maintaining a matched condition on all ports. The Wilkinson design can also be used as a power combiner because it is made up of passive components and hence reciprocal. First published by Ernest J. Wilkinson in 1960<sup>[1]</sup>, this circuit finds wide use in [radio frequency](#) communication systems utilizing multiple channels since the high degree of isolation between the output ports prevents [crosstalk](#) between the individual channels



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