8-Way RF Splitter Comparison - 8_Way_V2_SMT Versus MiniCircuits SEPS-8-272+

This is a comparison of two 8-Way Surface Mount RF Splitters/Combiners - BBTLine’s “BBTLine_8Way_V2_SMT” and MiniCircuits “SEPS-8-272+”

The MiniCircuits Splitter has a bandwidth running from 700 MHz to 2700 MHz.

The BBTLine Splitter has a bandwidth running from 500 MHz to 7 GHz (data is truncated in the plots below in order to compare against the lower bandwidth SEPS-8-272+).

The “SEPS-8-272+” Maximum Power Rating is 5 Watts.

The “BBTLine_8Way_V2_SMT” Maximum Power Rating is Greater Than 20 Watts.

S-Parameter data below is plotted from 500 MHz to 3000 MHz. S-Parameter Measurement Data shows Insertion Loss, Input Return Loss, Output Return Loss, Isolation (Best and Worst for Near And Far Ports), Amplitude Balance, and Phase Balance.

As shown by the S-Parameter data plotted below, the BBTLine 8-Way Power Divider performs significantly better than the MiniCircuits Device.

This improved RF performance, along with the much higher RF Power Rating, yields a high performance RF Power Divider for the market.