

PRODUCT DATA SHEET

D11839

CW Power limitations of a Radial Combiner structure are removed as there is no longer a Coaxial to Waveguide transition limiting your CW Power and/or higher Duty Cycles at Peak Power operation.

Werlatone® has developed a new class of patented pending microwave power combiners with extremely High Power handling capability. This Combiner class is designed to operate over the full bandwidth of a given waveguide connector. Furthermore, the CW power handling of each Combiner is only limited to the power rating of the specific waveguide connector utilized. More Bandwidth and Higher CW Power Handling.

Features:

High Power Wide Bandwidths Low Loss Custom Designs Available

Electrical Specifications:

Frequency:	5300-5900 MHz
Power:	8,000 W CW
Insertion Loss:	0.15 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	$\pm 5^\circ$ Max.
Isolation:	Non-Isolated

Mechanical Specifications:

Type:	E-Plane Combiner
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite)
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	19.32 x 17.97 x 3.19"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J17)
D11839-C02	WR159	Half Height WR159

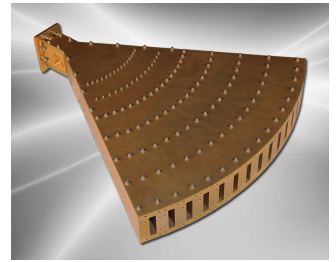
Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.



WERLATONE

Model D11839

Combiners E-Plane In-Phase Connectorized



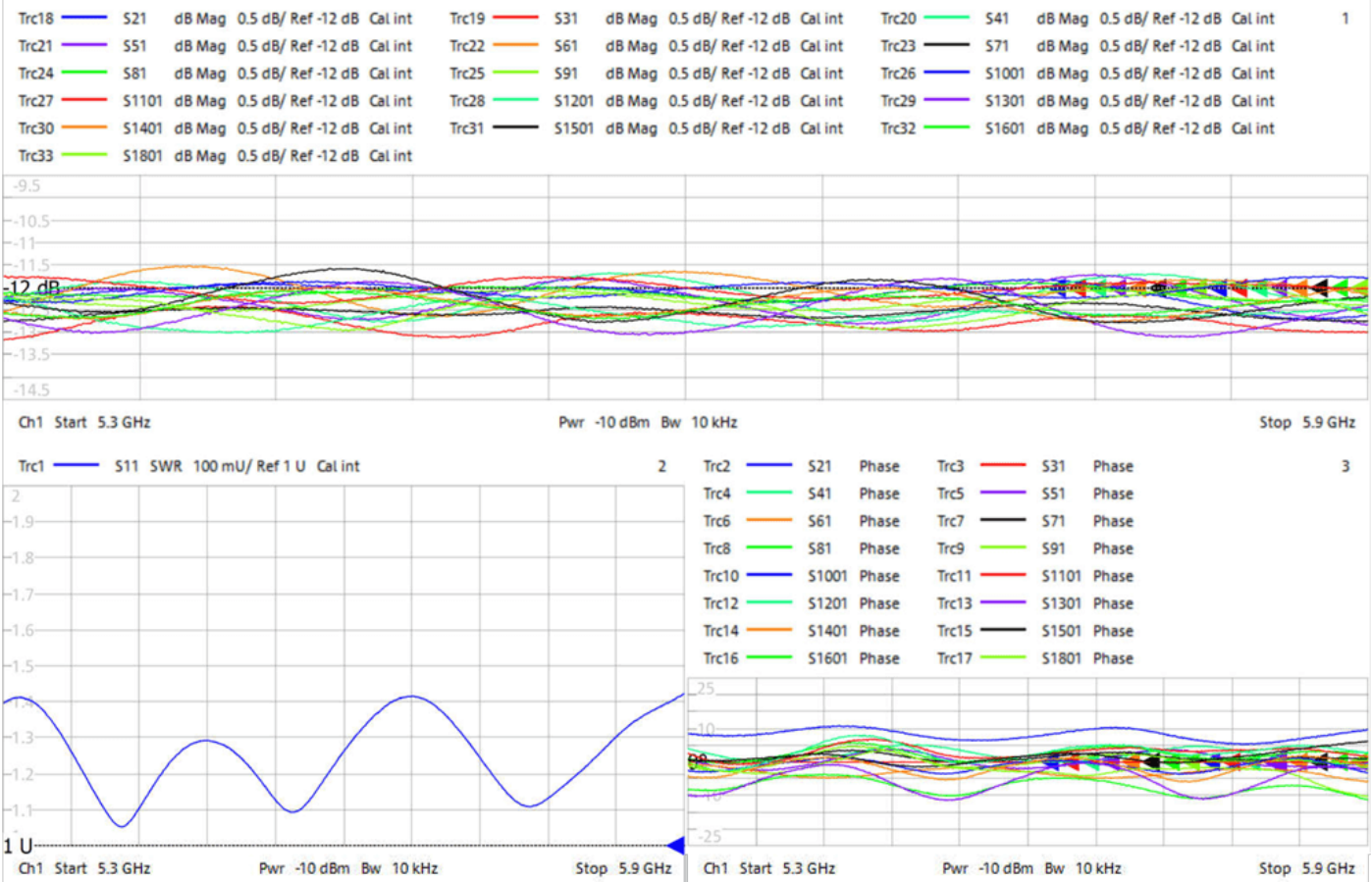
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Performance Data (Specifications subject to change without notice):



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