

- Designed for the decoupled combining of 2 transmitter or receiver signals onto one common antenna.
 - The frequency spacing between transmitter signals can be as small as required.
 - Excellent intermodulation performance.
 - Wall or 19" rack mounting.
 - DC by-pass between port 1 and port 3.
 - External DC stop available as an accessory.
- For indoor use only.

Note:

The input power rating of 150 W per port is specified at an ambient temperature of +55 °C with the combiner mounted vertically (see photo), without additional cooling, and while respecting the safety standard EN IEC 60950 (max. surface temperature +90 °C).

When installed in a 19" rack, it must be ensured that the max. power of 150 W is sufficiently dissipated, so that the ambient temperature does not rise above +50 °C. This can be achieved for example by the additional installation of a correspondingly dimensioned ventilator in the 19" rack or by reducing the maximum input power.

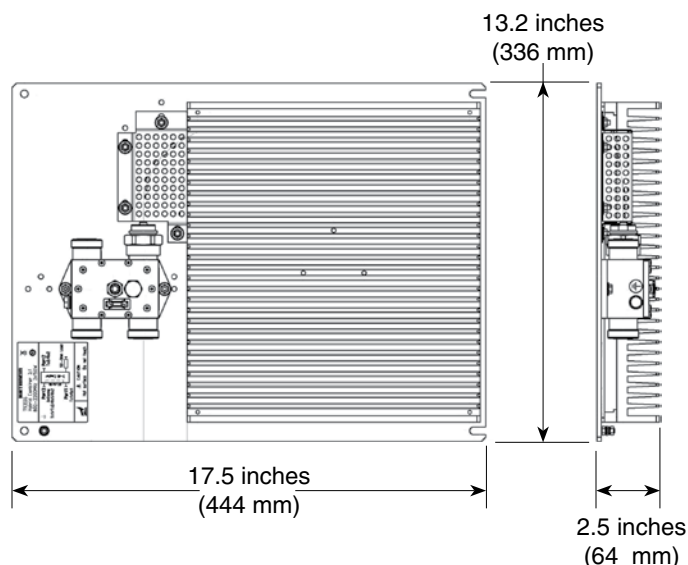
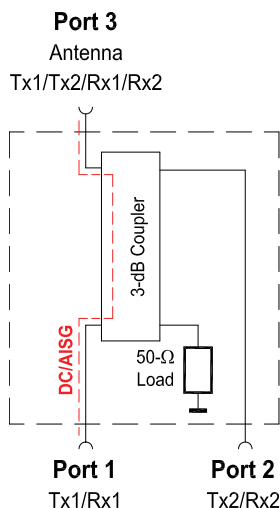
Specifications:

Frequency range	800–2200 MHz
Attenuation	
Port 1→Port 3	3 ±1.2 dB
Port 2→Port 3	3 ±1.2 dB
Port 1→Port 2	>22dB*
Impedance	50 ohms
VSWR (all ports)	<1.2:1
Intermodulation (2x20w)	IM3: <-160 dBc
Input power	
Port 1	<150 watts (with max. 16 signals)
Port 2	<150 watts (with max. 16 signals)
Connectors	7-16 DIN female
Temperature range	-20° to +50° C
DC/AISG transparency	
Port 1→Port 3	By-pass (max. 2500 mA)
Port 2	Short circuit (External DC stop available as an accessory)
Weight	22 lb (10 kg)
Dimensions	17.5 x 13.2 x 2.5 inches (444 x 336 x 64 mm)
Shipping dimensions	20.1 x 16.1 x 3.9 inches (510 x 410 x 100 mm)
Mounting	Wall mount using four screws (max. 7mm dia.). 19 inch rack mount on pre-installed 19 inch sliding bars (2 height units required).

* Valid if all ports are terminated with 50-Ω loads (see diagram).

Order Information:

Model	Description
793 555	3 dB coupler with cable absorber



Typical attenuation Port 1 ↔ Port 2 vs. VSWR at Port 3

