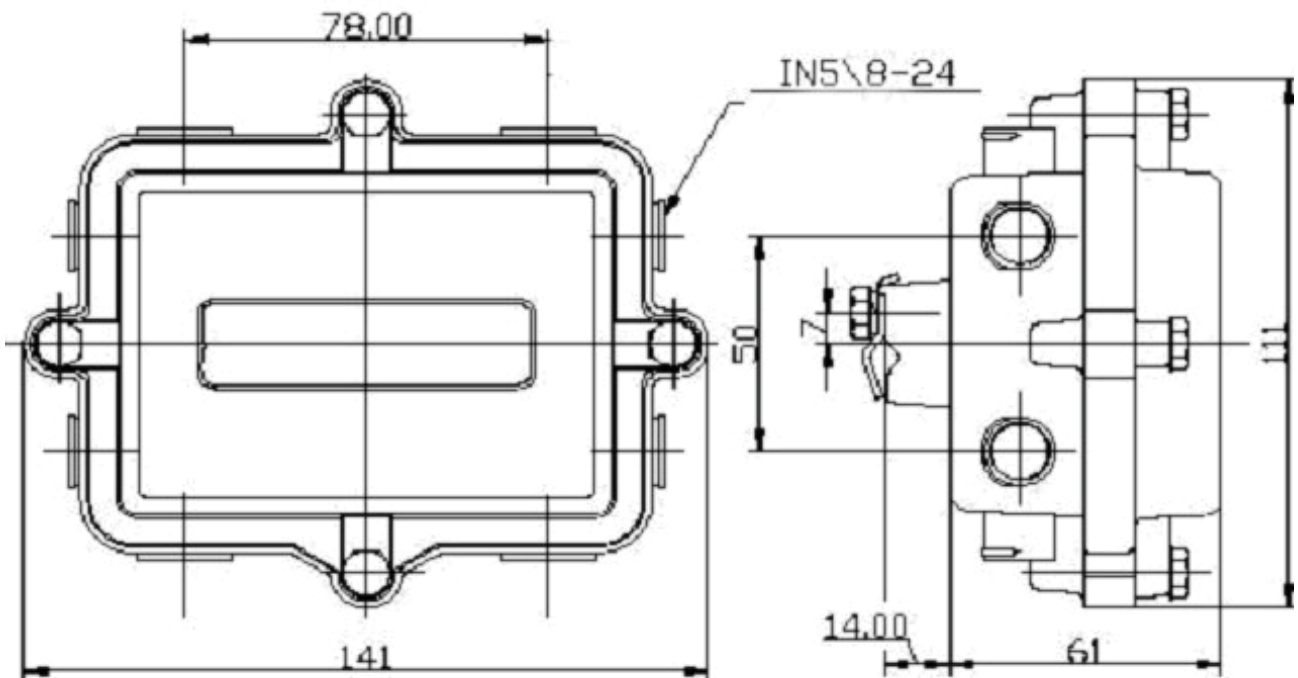


2-WAY SPLITTER CLD-204D-OD



Outline Drawings





Features

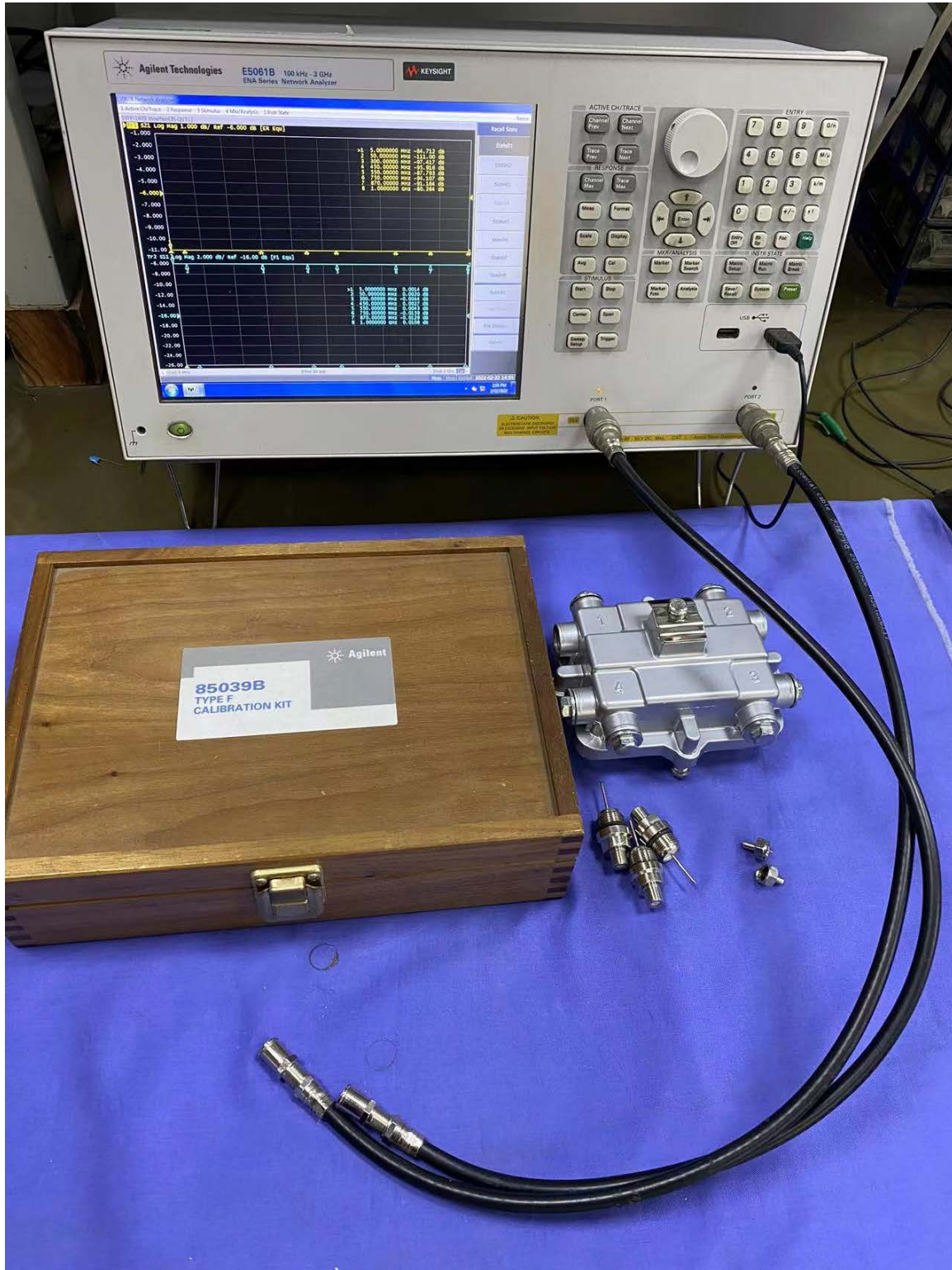
- RFI (woven metallic) gasket ensures against ingress/egress interference, ≥ 110 dB RFI shielding.
- Fuseable configuration.
- Heat shrink ridges for easy installation.
- Stainless steel hardware for corrosion resistance.
- Aluminum alloy housing with weather resistant powder coating and spray painting.
- Weather seal gasket ensures water tight protection, tested at 15 psi (1.0kg/cm²) / 60s, at least IP56.
- All ports are 5/8-24 female standard.
- Nominal impedance (all ports): 75 Ohms.
- Power Passing: 15A, 90VAC (IN-OUT All Ports).
- Response Flatness: $\leq \pm 0.75$ dB max.
- Hum Modulation at 10A: ≤ -70 dB; at 12A: ≤ -65 dB.
- Using 2-layer high quality FR4 board P.C.B (Printed Circuit Board) for RF applications.
- Using high quality chip capacitors and chip resistors.
- High Voltage Blocking Capacitors - All ports Surge With stand at IEEE C62.41-1991 Category B3 (1.2/50 μ s - 8/20 μ s Combination Wave, 6000 V, 3000 A): 2KV Capacitors.
- Use plug inserts with Insurance which are used in car.

Specification

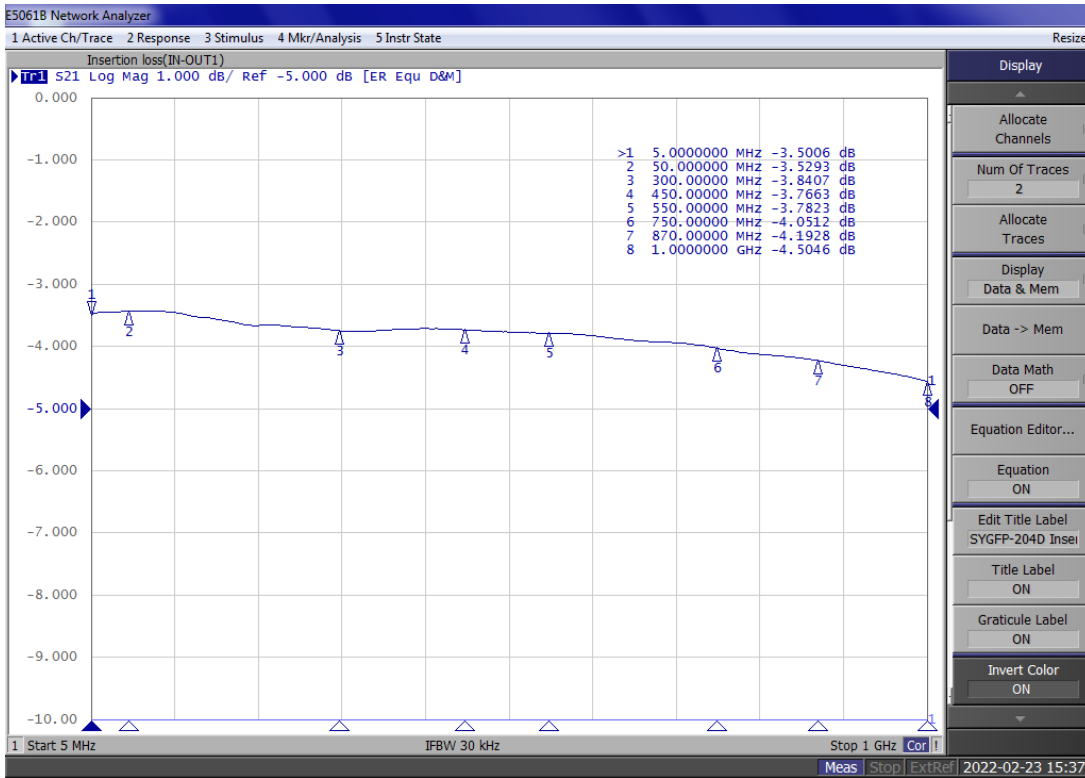
INSERTION LOSS (IN-OUT) max	OUTDOOR SPLITTER VALUE (dB) 2-WAY
5 - 65 MHz	4.0
65 - 550 MHz	4.2
550 - 750 MHz	4.5
750 - 1000 MHz	5.1
ISOLATION (OUT-OUT) min.	
5 - 1000 MHz	25
RETURN LOSS (IN & OUT) min.	
5 - 1000 MHz	16
POWER PASS (MAX) (A)	15 @90VAC
RFI (dB)	≥ 110
Composite Cross Modulation (dB)	≥ 66
Voltage (V)	90 typ.@50Hz

MEASUREMENTS ON CLD-204D-OD (TWO WAY SPLITTER)

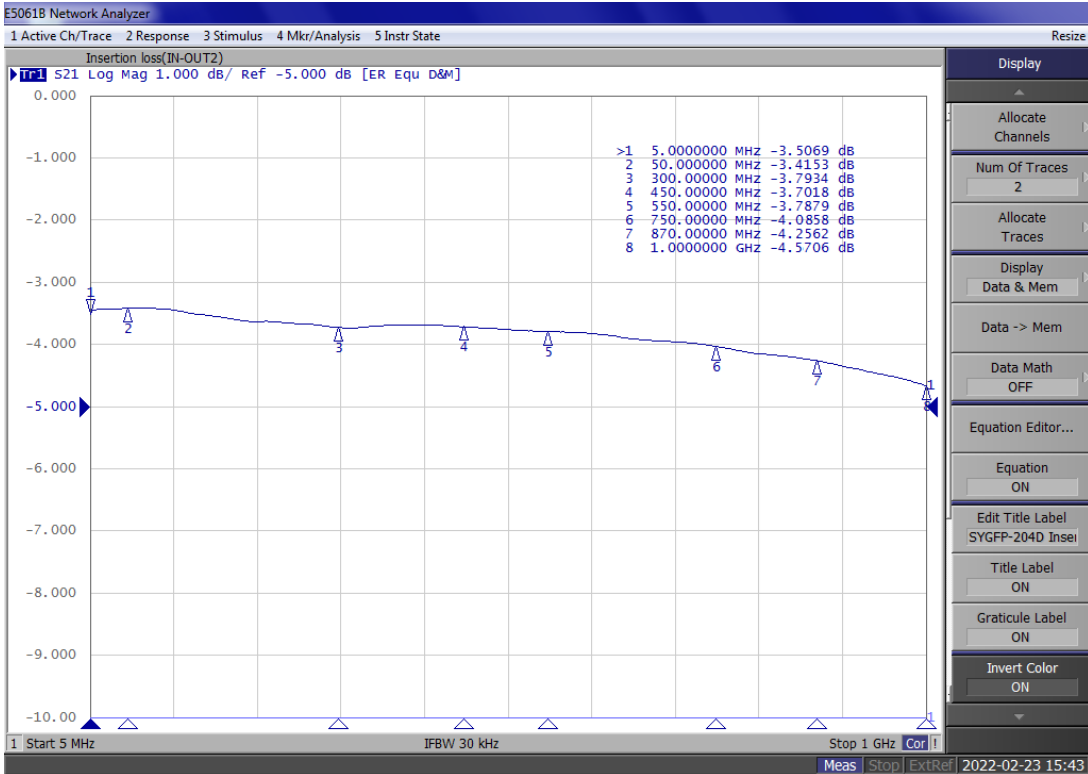
1. Network Analyser, Calibration Kits, 75Ω terminators, F to KS-pin adaptors and CLD-204D-OD sample.



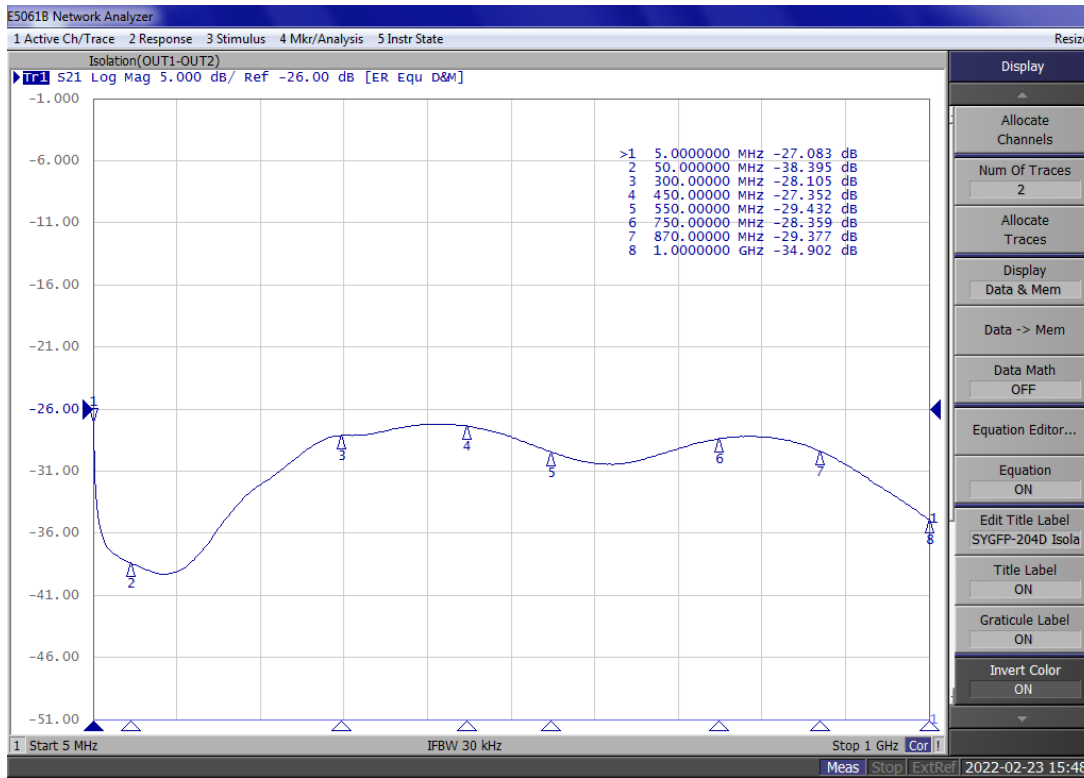
2. INSERTION LOSS (IN Port ~ OUT Port 1)



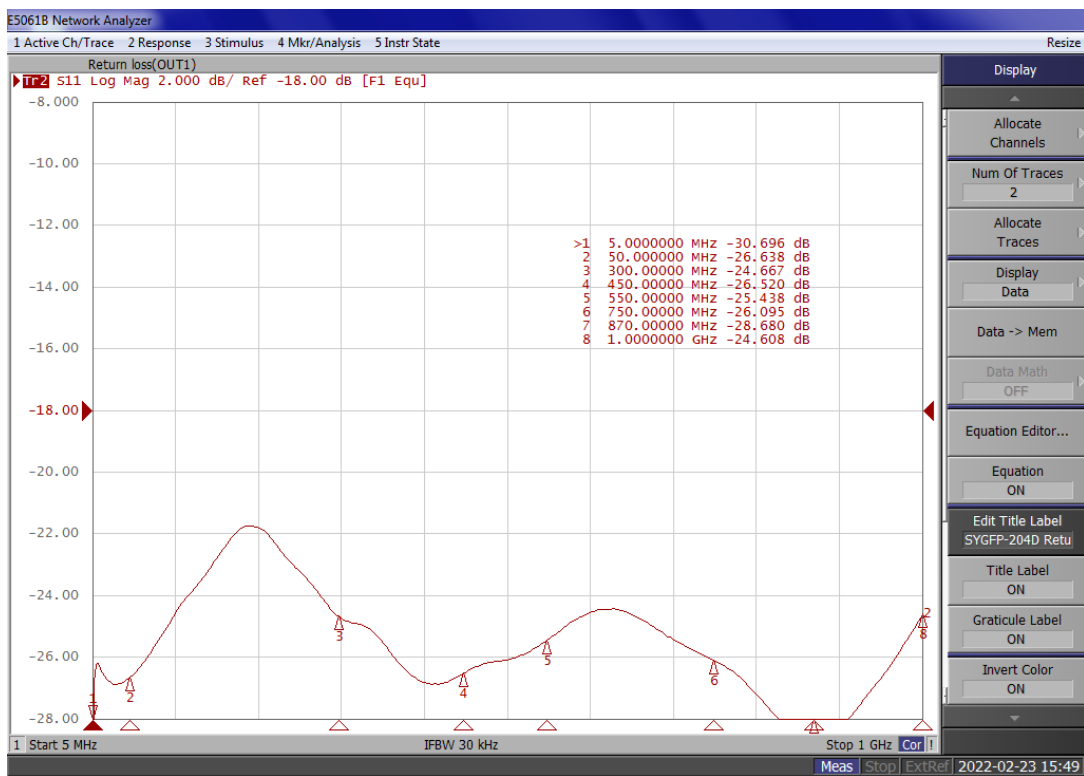
3. INSERTION LOSS (IN Port ~ OUT Port 2)



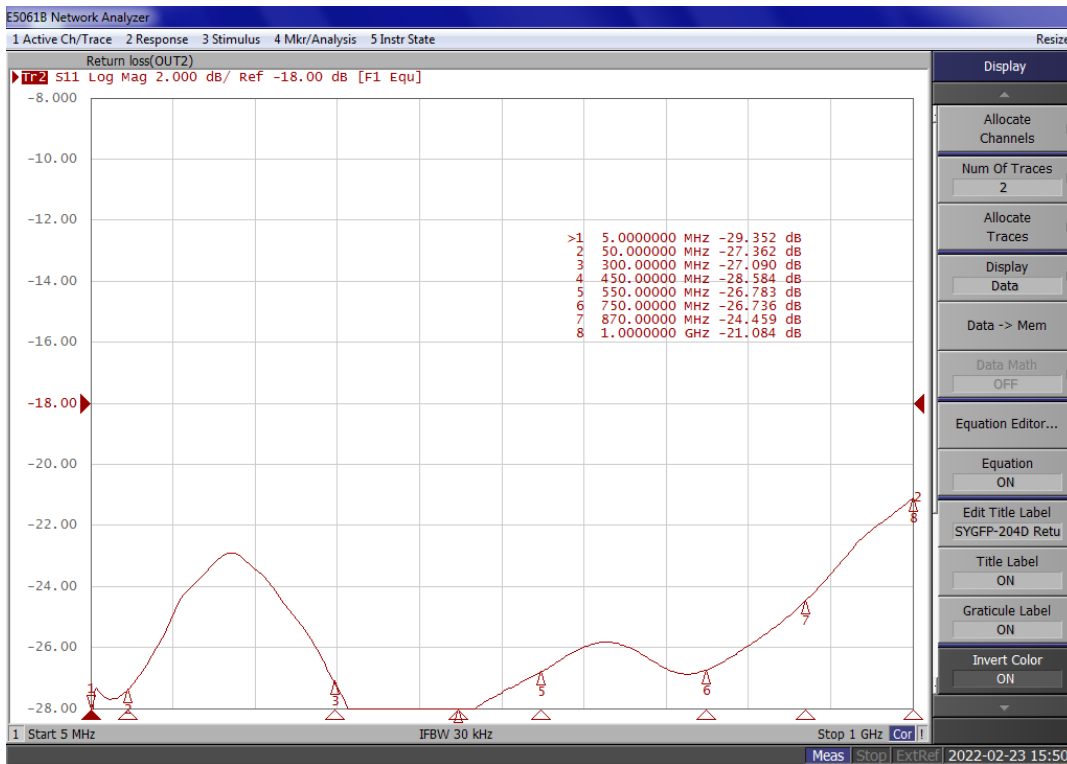
4. ISOLATION (OUT Port 1 ~ OUT Port 2)



5. RETURN LOSS (OUT port-1)



6. RETURN LOSS (OUT port 2)



7. RETURN LOSS (IN port)

