

# Power Splitters

## E2SP-F2F-5-1800

2024-12-01 Rev. 0



75Ω 2 Way-0° Power Splitters 5-1800MHz

### Features

- Excellent Return Loss
- High Rejection and Low Loss
- Suitable for SATTV, CATV, Cablenet and other communication systems

### Description

Indoor type integrated two way Splitter shell series, is molded after one die-casting, with specially designed molding and is equipped with precise plastic, plug stamping and has more reliable plug and pull force and elastic property.

The surface is treated with shot blast cleaning, nicked plating and tin-cerium alloy plating and has more glazing and is more beautiful. The surface is treated with sand blasting and is deactivated by polishing white chromate so as to be more elegant, natural and green. 5-1800MHz Bandwidth, Flat frequency response minimal insertion loss.

- Operating temperature range:  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ . Storage Temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- dBmV spurious signals and 2nd order harmonics with a +55dBmV return input carrier machine threaded, flat F-ports, 75Ω.

### Electrical Specifications: $T_A=25^{\circ}\text{C}$ , 0dBm, $Z_0=75\Omega$

ITEM		MIN	TYP	MAX	UNIT
Frequency Range		5~1800			MHz
Impedance		75			$\Omega$
Insertion Loss					
IN to OUT	5~500 MHz		3.5	4.0	dB
	501~1218MHz		4.0	4.5	dB
	1219~1800MHz		4.5	5.0	dB
Return Loss					
IN / OUT	5~1800 MHz	15	18		dB
Isolation					
OUT to OUT	5~1800 MHz	20	30		dB
All Ports DC Block				50	V

\* Electrical Specifications : Measured at room temperature =  $23^{\circ}\text{C}\pm 5^{\circ}\text{C}$

### Mechanical Specification

ITEM	DESCRIPTION	UNIT
Housing	Zinc Alloy Die-cast	
Connector	Female "F" type	
Connector Screw Thread	M10*0.75	metric
Dimensions	60.0(L) × 51.0(W) × 17.0 (H)	mm
Net Weight (Approx.)	57.0	g

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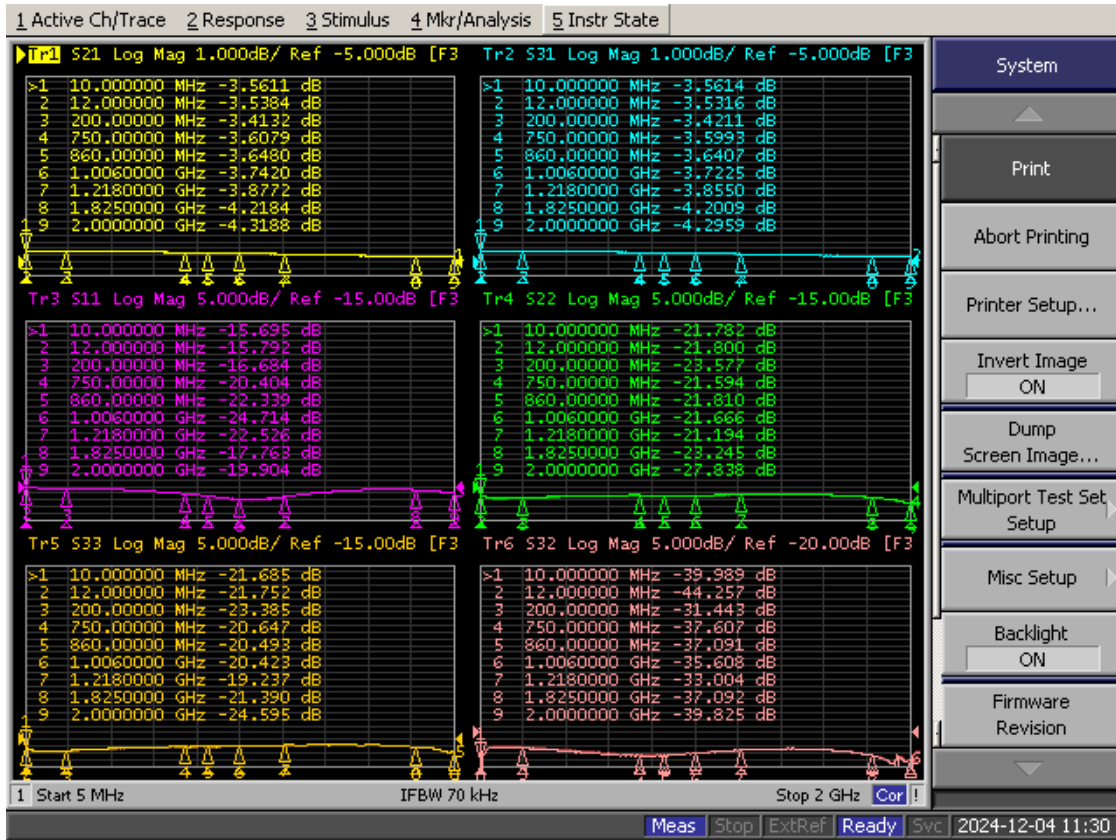
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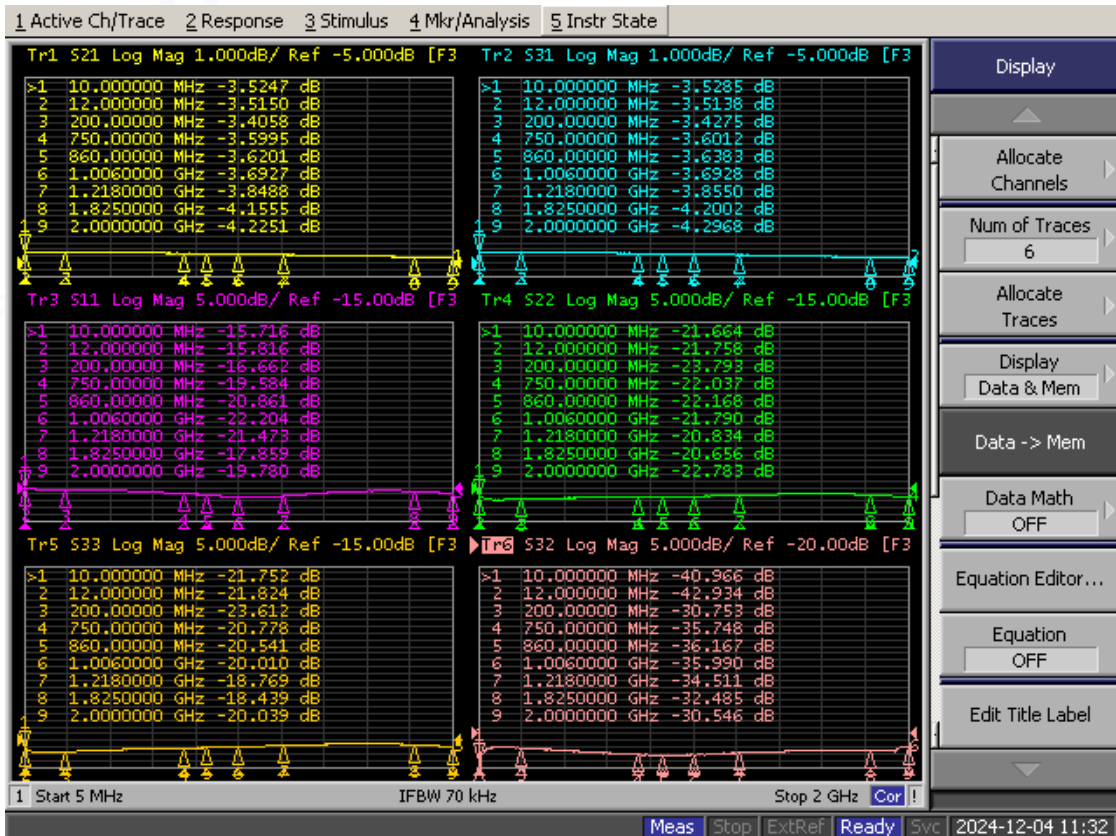
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### Sample 01 Characteristics Curve:



### Sample 02 Characteristics Curve:



Balun Transformer | Coupler | Divider | Inductor | Choke | Bead | Air Coil | LAN Transformer

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