

Dinesh Micro Waves & Electronics

COAXIAL COMPONENTS

Power Splitter / Combiner

2 WAY 0 Deg.

Frequency: 10 MHz to 6 Ghz

DINESH MICROWAVES AND ELECTRONICS power combiner / dividers are capable of distributing medium & high power TX signals without tuning constraints or size constrains. Most significantly, these devices can with stand full rated, power, even if the output circuit is opened or short circuited. Consequently these models are ideal for antennas feed circuits. Other models are available for other cellular bands.

Isolation is typically in the 20 db range and return loss is typically in the 20 db range. Insertion loss is less than 1 db including connectorization.

Sr. No.	Frequency Range MHz	Part No.	Isolation	Insertion Loss	Phase Unbalance Deg.	Amplitude Unbalance dB	Connector
1	10-500	PS 2-5	>20 dB	1 dB above 3 dB	5 deg	0.5 dB	BNC(f)
2	700-1200	PS2-12	>20 dB	1 dB above 3 dB	6 deg	0.5 dB	N(f)
3	900-7200 Bandwidth 600 MHz(specify center frequency	PS2-72	>20 dB	1dB above 3 dB	6 deg	0.5 dB	N (f)

Dinesh Micro Waves & Electronics

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Power Splitter / Combiner

4 Way 0 Deg Frequency : 10 MHz to 7 Ghz

Sr. No.	Frequency Range MHz	Part No.	Isolation	Insertion Loss	Phase Unbalance Deg.	Amplitude Unbalance dB	Connector
1	10-500	PS 4-5	>20 dB	1 dB above 6 dB	12 deg	0.9 dB	BNC(f)
2	700-1200	PS4-12	>20 dB	1 dB above 6 dB	12 deg	0.9 dB	N(f)
3	900-7200 Bandwidth 600 MHz(specify center frequency)	PS4-72	>16 dB	1dB above 6 dB	12 deg	0.9 dB	N (f) or SMA (f)

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Power Splitter / Combiner

8 Way 0 Deg

Frequency : 10 MHz to 1 Ghz

Sr. No.	Frequency Range MHz	Part No.	Isolation	Insertion Loss	Phase Unbalance Deg.	Amplitude Unbalance dB	Connector
1	10-500	PS 8-5	>18 dB	1.2 dB above 9 dB	12 deg	0.9 dB	BNC(f)
2	700-1200	PS8-12	>18 dB	2 dB above 9 dB	12 deg	0.9 dB	N(f)
3	1000-2000	1000-2000 PS8-2	>18 dB	2 dB above 9 dB	10 deg	0.5 dB	N (f) or SMA

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Power Splitter / Combiner

10 Way 0 Deg

Frequency : 3.1 GHz to 3.5 Ghz

Sr. No.	Frequency Range GHz	Part No.	Isolation	Insertion Loss	Phase Unbalance Deg.	Amplitude Unbalance dB	Connector
1	3.1-3.5	PS 10-3.5	>18 dB	3.5 dB above 10 dB	15 deg	0.5 dB	N(f)

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Coaxial Coupler

Specification

Sr. No.	Parameter	Value
1	Connector: Input Output	N (m) BNC (f)
2	Freq. Range	0.01 to 10 GHz
3	Replacement diode	1 N 21 / 1N23
4	Sensitivity	500m V / mwatts
5	Power input max	500 mwatts
6	Max SWR	1.8
7	Length	60 mm
8	Finish	Gold Plated

Coaxial Termination

Specification

<i>Sr. No.</i>	<i>Parameter</i>	<i>Value</i>
1	Connector: Input	N (m) / BNC (f)
2	Freq. Range	2 to 18 GHz.
3	Power input Max.	0.5 watts to 500 watts
4	Max SWR	1.8
5	Length	60 mm
6	Finish	Gold Plated

Dinesh Microwaves and Electronics offers a large variety of coaxial and waveguide Terminations and dummy loads. which meet the requirements of all microwave measurement systems and most other applications for high quality. loads. Many coaxial fixed terminations range from small ½ watts to 500 watts loads to terminate high power transmission.

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Coaxial Couplers

In today microwave practice, the directional coupler has become virtually indispensable measurement tool. It provides a simple convenient accurate means for sampling microwave energy without moving parts & without the need for adjustments by selecting energy traveling only in one direction, accurate VSWR measurements can be made automatically eliminating the mechanical motion needed with a slotted line. Attenuation measurements also become more accurate when directional couplers are used since reflection errors are eliminated.

Specification

<i>Sr. No.</i>	<i>Parameter</i>	<i>Value</i>
1	Connector: Input	N (m)
2	Freq. Range	500 to 2200 MHz
3	Insertion Loss	< 0.2 dB
4	Power input max.	5 Watts – 50 watts
5	Max SWR main line	1.1
6	Copling	3 dB / 10 dB
7	Directivity	25 dB
8	Application	GSM, WII, BTS

Coaxial Cable, Connectors And Assemblies

Dinesh Micro waves and Electronics provides coaxial cable, cable assemblies and coaxial connectors for various applications. Cables are tested on Agilent 8757D Network Analyzer after assembly and test reports are provided.

Connectors: N/DIN/SMA/F/BNC

Frequencies: DC to 26 GHz

Testing facility at agilent 8757D network analyzers.

Dinesh Microwaves and Electronics also Tunes Band Pass Filters and transmit reject filters for CDMA and GSM operators.

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