

For FREE Replenishment of Samples:

Call 1-877-FOR RFMW

(1-877-367-7369)

or

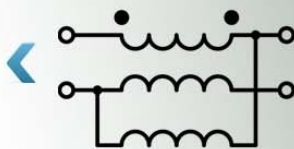
Email: sales@RFMW.com

www.rfmw.com/MiniRF



**Portfolio of RF Passive components
enabling high data rate broadband connectivity.**

SMT Transformers

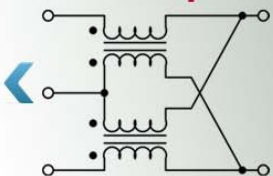


S18 Package



S20 Package

SMT Couplers

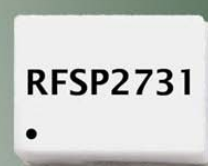
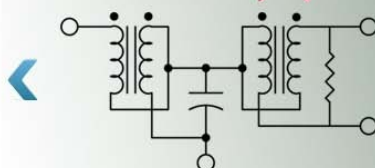


S18 Package



S06 Package

SMT 2 & 3-Way Splitters



S04 Package



S06 Package



Dear Valued Customer ,

Thank you for your interest in the MiniRF and RFMW Ltd. Broadband Designers Kit.

RFMW Ltd. provides the RF and Microwave (RF&MW) industry with a truly focused and specialized distributor of RF&MW components.

MiniRF designs and supplies high-performance Radio Frequency (RF) components for broadband communication equipment manufacturers. Their products are used in wireless communications equipment to enable and enhance the transmission and reception of CATV, voice and data signals.

MiniRF's standard product lines include: Transformers, Couplers, Splitters, Mixers and Chokes.

We are pleased to offer you this Broadband RF designer Kit containing:

- **Transformers**
- **2-way and 3-way Splitters**
- **Couplers**

The following pages outline some important performance specifications for these devices.

RFMW Ltd. services customers with products from specialized, focused and industry leading RF&MW component manufacturers with strategically profiled inventory. Our close technical working relationship with our suppliers results in the value being passed onto you, our customer base.

If you have any questions about your RF component needs or require assistance, please feel free to contact RFMW Ltd. at 1-877-FOR-RFMW (1-877-367-7369). Also visit our website at <http://www.rfmw.com> with online Technical, Quote, Samples and Literature Support.

Sincerely,

RFMW Ltd. Sales and Marketing

Surface Mount RF Transformers



These RF transformers are designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communication systems.

- 50 and 75 Ohm
- 6 KHz to 3000 MHz Frequency Range
- Low Insertion Loss
- Economical

Surface Mount RF Couplers



Couplers provide a defined amount of power at the coupled port and are essential for power monitoring in communication systems. MiniRF couplers are made to exacting tolerances and consistency so that accurate performance is guaranteed.

- 5 to 1200 MHz Frequency Range
- 50 and 75 Ohm Versions
- Standards Coupling Factors from 6.5 to 20.5 dB
- Surface Mount

Surface Mount RF Splitters



RF splitters are ideal for power distribution in CATV systems. MiniRF splitters offer excellent isolation and balance performance for exacting requirements.

- 1 to 2500 MHz Frequency Range
- 50 and 75 Ohm
- 2-way and 3-way configurations
- Low Insertion Loss



MiniRF Passive Components

MiniRF passive couplers, splitters and transformers are now available from RFMW! Designed for applications that require very small, low-cost and highly reliable surface mount components, these high-performance devices serve a broad range of end markets including broadband and wireless communications systems.

CATV original equipment manufacturers (OEMs) require RF passives in head end, forward path and return path applications. MiniRF now offers a cost-effective solution for these CATV OEMs and other broadband manufacturers by providing this new line of low-cost, mini-passive components that offer better performance with a smaller footprint.

SPLITTERS - 0° OFFSET

Part Number	Freq Range (MHz)	Return Loss Min (dB)	Isolation Typ (dB)	Isolation Min (dB)	Insertion Loss Typ (dB)	Insertion Loss Max (dB)	Amp Unbalance Max (dB)	Phase Unbalance Max (Deg)	Package
RFSP522*	5 to 1200	14	22	18	1.0	1.6	0.6	5.0	S18
RFSP5722	5 to 1200	12	28	22	0.8	1.5	0.5	5.0	S18
RFSP5731**	20 to 1200	14	25	18	1.5	2.3	0.6	6.0	S04

*50 ohms ** 3-way

COUPLERS

Part Number	Freq Range (MHz)	Nominal Coupling (dB)	Coupling Flatness (dB)	Mainline Loss Typ (dB)	Mainline Loss Max (dB)	Directivity Typ (dB)	Directivity Min (dB)	Return Loss Min (dB)	Package
RFCP5742	5 to 1200	10 ± 0.5	± 0.5	1.5	2.0	14	10	11	S18
RFCP5743	5 to 1200	10 ± 0.5	± 0.5	1.5	2.0	14	8	14	S20
RFCP5762	5 to 1200	16 ± 0.5	± 0.5	0.6	1.2	20	10	14	S18
RFCP5763	5 to 1200	16 ± 0.5	± 0.5	0.8	1.2	20	8	14	S20

TRANSFORMERS

Part Number	Freq Range (MHz)	Impedance Ratio	Insertion Loss 3 dB Bandwidth (MHz)	Insertion Loss 2 dB Bandwidth (MHz)	Insertion Loss 1 dB Bandwidth (MHz)	Package
RFXF2713	5 to 200	1:1	-	-	5 to 200	S20
RFXF5702	5 to 1200	1:1	-	5 to 1200	5 to 750	S18
RFXF5703	5 to 1200	1:1	-	5 to 1200	10 to 870	S20
RFXF5704	5 to 1200	1:1	-	5 to 1200	5 to 800	S21
RFXF5712	5 to 1200	1:1	-	5 to 1200	5 to 1000	S18
RFXF5753	5 to 1200	1:4	5 to 1200	5 to 870	-	S20
RFXF5792	5 to 1200	1:1	-	5 to 1200	5 to 1000	S18
RFXF5793	5 to 1200	1:1	-	-	5 to 1200	S20
RFXF5794	5 to 1200	1:1	-	-	5 to 1200	S21
RFXF6553*	10 to 1900	1:4	10 to 1900	10 to 1000	10 to 500	S20
RFXF8553*	500 to 2500	1:4	500 to 2500	500 to 1500	500 to 1000	S20
RFXF9503*	3 to 3000	1:1	3 to 2700	3 to 2400	3 to 1800	S20
RFXF9504*	5 to 3000	1:1	5 to 3000	5 to 2700	5 to 1200	S21

*50 ohms



S21 Package size:
0.100' x 0.080'



S20 Package size:
0.150' x 0.150'



S18 Package size:
0.250' x 0.300'

FEATURES

- Extremely small industry-standard footprint
- S21 package, the industry's smallest footprint wideband transformer
- Superior performance
- Low cost and RoHS compliant
- 50 ohms and 75 ohms impedance



Contact your local RFMW Sales Representative for pricing and delivery.

1 (877) 367-7369 or Email: sales@rfmw.com





For more information including:

Data Sheets

Pricing

Delivery

Please visit the MiniRF gateway page at

www.rfmw.com/MiniRF

If you have any questions about your RF component needs or require assistance, please feel free to contact RFMW Ltd. at 1-877-FOR-RFMW (1-877-367-7369). Also visit our website at <http://www.rfmw.com> with online Technical, Quote, Samples and Literature Support for all of your RF and Microwave component needs.

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