



## **BANDPASS DUPLEXERS FOR INTERNAL USE IN DIGITAL UHF / MICROWAVE RADIOS**

### **GENERAL CHARACTERISTICS**

<b>Model No.</b>	<b>Freq. Band</b>	<b>Tx/Rx Split (Min.)</b>	<b>Insertion Loss (Max.)</b>	<b>Isolation at all ports (Min.)</b>	<b>Return Loss at all ports (Min.)</b>	<b>Impedance</b>	<b>Rated power</b>	<b>Group Delay Ripple</b>	<b>Dimensions HxWxL (mm)</b>
RHE 1400	400-470 MHz	14/25 MHz	2.0 dB	75 dB	18 dB	50 ohms	25 W	< 10 ns	37x91x220
RHE 1600	612-722 MHz	45 MHz	1.8 dB	80 dB	18 dB	50 ohms	25 W	< 50 ns	32x118x158
RHE 1900	890-960 MHz	45 MHz	1.5 dB	80 dB	18 dB	50 ohms	10 W	< 20 ns.	34x150x192
RHE 11500	1.35-1.55GHz	61 MHz	1.3 dB	80 dB	18 dB	50 ohms	10 W	< 80 ns	34x87x215
RHE 11800	1.7-1.9 GHz	90 MHz	1.3 dB	85 dB	18 dB	50 ohms	10 W	< 20 ns	34x76x213
RHE 12000	2.0-2.3 GHz	161 MHz	1.3 dB	80 dB	18 dB	50 ohms	10 W	< 10 ns	34x72x187
RHE 12300	2.3-2.7 GHz	161 MHz	1.3 dB	80 dB	18 dB	50 ohms	10 W	< 10 ns	34x60x187

**Optional bands** : 320-370 MHz, 360-400 MHz, 710-845 MHz, 810-880 MHz, 3.4 – 3.8 GHz

**Physical parameters :**

Finish : Black Epoxy  
Temperature : -15°C to + 60°C  
Terminations : SMA / BNC / N / UHF





## COMPACT PRESELECTORS VHF / UHF

### GENERAL CHARACTERISTICS

Model No.	Freq. Range	Centre Freq. (Fc)	3dB Band width	Insertion Loss (Max at Fc)	Rejection	Return Loss (Min.)	Impedance
RHE 4070	70 – 78 MHz	74 MHz	± 1 MHz	< 2.0 dB	40dB@±4MHz	14 dB	50 ohms
RHE 4080	78 – 86 MHz	82 MHz	± 1 MHz	< 2.0 dB	40dB@±4MHz	14 dB	50 ohms
RHE 40130	130 – 140 MHz	135 MHz	± 1 MHz	< 2.25 dB	47dB@±6MHz	14 dB	50 ohms
RHE 40144	144 – 154 MHz	149 MHz	± 1 MHz	< 2.25 dB	45dB@±6MHz	14 dB	50 ohms
RHE 40150	152 – 162 MHz	157 MHz	± 1 MHz	< 2 dB	45dB@±6MHz	14 dB	50 ohms
RHE 40160	160 – 170 MHz	165 MHz	± 1 MHz	< 2 dB	50dB@±6MHz	14 dB	50 ohms
RHE 40230	200 – 230 MHz	215 MHz	± 1 MHz	< 2.25 dB	40dB@±6MHz	14 dB	50 ohms
RHE 40400	400 – 425 MHz	412.5 MHz	± 2 MHz	< 2.0 dB	55dB@±25MHz	14 dB	50 ohms
RHE 40425	425 – 435 MHz	430 MHz	± 2 MHz	< 2.0 dB	55dB@±25MHz	14 dB	50 ohms
RHE 40435	435 – 455 MHz	445 MHz	± 2 MHz	< 2.0 dB	55dB@±25MHz	14 dB	50 ohms
RHE 40450	455 – 460 MHz	457.5 MHz	± 2 MHz	< 2.0 dB	55dB@±20MHz	14 dB	50 ohms
RHE 40460	465 – 470 MHz	467.5 MHz	± 2 MHz	< 2.0 dB	60dB@±29MHz	14 dB	50 ohms
RHE 40470	485 – 490 MHz	487.5 MHz	± 2 MHz	< 2.0 dB	60dB@±29MHz	14 dB	50 ohms
RHE 40500	495 – 505 MHz	497.5 MHz	± 2 MHz	< 2.0 dB	60dB@±29MHz	14 dB	50 ohms
RHE 40820	820 – 870 MHz	845 MHz	± 5 MHz	< 2.0 dB	85dB@±42.5MHz	20 dB	50 ohms

**Optional bands available on request.**

#### **Physical parameters :**

Finish : Black Epoxy  
Temperature : -20°C to + 60°C  
Terminations : BNC / TNC / N / UHF



Daten ohne Toleranz; nur Größenordnung. Änderungen ohne Ankündigung vorbehalten. Hergestellt in der Bundesrepublik Deutschland. 03/04

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## **BAND REJECT (NOTCH TYPE) VHF / UHF COMPACT MOBILE DUPLEXER**

### **GENERAL CHARACTERISTICS**

Model No.	Freq. Band	Tx / Rx Separation (Min)	Insertion Loss		Isolation		Return Loss (Min.)	Impedance	Power	Dimensions (mm)
			Max.	Typical	Min.	Typical				
RHE 2066	66-77 MHz	2.5 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2077	77-88 MHz	2.5 MHz	1.3	1.2	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2132	132-144 MHz	4.0 MHz	1.3	1.2	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2148	148-160 MHz	4.0 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2150	150-166 MHz	4.6 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2152	152-174 MHz	4.0 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2157	157-174 MHz	4.6 MHz	1.3	1.2	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2250	245-260 MHz	8.0 MHz	1.3	1.2	75	80	18 dB	50 ohms	50 W	32x112x155
RHE 2400	400-420 MHz	9.45 MHz	1.3	1.0	80	85	18 dB	50 ohms	50 W	32x108x155
RHE 2450	450-470 MHz	9.5 MHz	1.3	1.0	80	85	18 dB	50 ohms	50 W	32x108x155
RHE 2470	470-500 MHz	5.2 MHz	1.3	1.3	75	80	18 dB	50 ohms	50 W	32x108x155
RHE 2500	500-520 MHz	10.0 MHz	1.3	1.0	80	85	18 dB	50 ohms	50 W	32x108x155
RHE 2820	820-870 MHz	45.0 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x84x156
RHE 2850	850-940 MHz	76.0 MHz	1.3	1.0	75	80	18 dB	50 ohms	50 W	32x84x156
RHE 21200	1270-1295MHz	25.0 MHz	1.3	1.2	75	80	18 dB	50 ohms	50 W	32x84x156

**Optional frequency bands, Tx-Rx Splits, Power Ratings are available on request.**

#### **Physical parameters :**

Finish : Black Epoxy  
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Terminations : BNC / TNC / N / UHF



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