

# UHF COAXIAL SPLITTERS

## FEATURES

- broadband power dividers
- low insertion loss
- low V.S.W.R



## GENERAL FEATURES

FREQUENCY RANGE	470 ÷ 860 MHz
IMPEDANCE	50 ohm
RETURN LOSS (typical)	≥ 32 dB with outputs ≥ 7/8" size ≥ 28 dB with outputs 7/16 F size
POWER RATING *	See table
OPERATING TEMPERATURE RANGE	-40 to +70° C (-40 to +158° F)
CONNECTORS	See table
NUMBER OF WAYS	See table
WEIGHT	See table
PRESSURIZATION	Typical operating pressure 300hPa (300mBar)
MATERIALS	- External body Polished copper, polished brass - Inner conductor Silver plated brass, polished brass, deoxidized aluminium - Insulator Teflon
EXTERNAL FINISHING	Painted RAL 7001, Nickel plating

\* mean power , ambient temperature 40° C (104° F) , atmosphere pressure, dry air

TYPE	INPUT CONNECTOR	OUTPUT CONNECTORS		DIMENSIONS mm (in)			POWER RATING (kW)			WEIGHT Kg (lb)	FIGURE
		Nr.	TYPE	A	B	C (Ø)	470 MHz	665 MHz	860 MHz		
RTV-52	7/8" EIA	2	7/16 F	688 (27.1)	91 (3.6)	25 (0.98)	3.4	2.9	2.5	2.5 (5.5)	1
RTV-53	7/8" EIA	3	7/16 F	688 (27.1)	138 (5.4)	25 (0.98)	3.4	2.9	2.5	3 (6.6)	1
RTV-54	7/8" EIA	4	7/16 F	688 (27.1)	138 (5.4)	25 (0.98)	3.4	2.9	2.5	3.5 (7.7)	1
RTV-56	7/8" EIA	6	7/16 F	688 (27.1)	138 (5.4)	25 (0.98)	3.4	2.9	2.5	4 (8.8)	1
RTV-02	7/8" EIA	2	7/8" EIA	711 (28)	132 (5.2)	25 (0.98)	3.4	2.9	2.5	3.8 (8.4)	2
RTV-03	7/8" EIA	3	7/8" EIA	711 (28)	206 (8.1)	25 (0.98)	3.4	2.9	2.5	4.5 (9.9)	2
RTV-04	7/8" EIA	4	7/8" EIA	711 (28)	206 (8.1)	25 (0.98)	3.4	2.9	2.5	4.9 (11)	2

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## STANDARD TYPES

TYPE	INPUT CONNECTOR	OUTPUT CONNECTORS		DIMENSIONS mm (in)			POWER RATING (kW)			WEIGHT Kg (lb)	FIGURE
		Nr.	TYPE	A	B	C (Ø)	470 MHz	665 MHz	860 MHz		
RTV-64	1-5/8" EIA	4	7/16 F	694 (27.3)	138 (5.4)	41.8 (1.6)	7.6	6.4	5.6	4.2 (9.3)	1
RTV-66	1-5/8" EIA	6	7/16 F	688 (27.1)	158 (6.2)	41.8 (1.6)	8	6.8	6	4.6 (10)	1
RTV-68	1-5/8" EIA	8	7/16 F	688 (27.1)	166 (6.5)	41.8 (1.6)	8	6.8	6	5 (11)	1
RTV-12	1-5/8" EIA	2	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	6.8	5.8	5	4.3 (9.5)	2
RTV-13	1-5/8" EIA	3	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	4.8 (11)	2
RTV-14	1-5/8" EIA	4	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	5.2 (11)	2
RTV-15	1-5/8" EIA	5	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	5.9 (13)	2
RTV-16	1-5/8" EIA	6	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	6.3 (14)	2
RTV-17	1-5/8" EIA	7	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	6.5 (14)	2
RTV-18	1-5/8" EIA	8	7/8" EIA	711 (28)	206 (8.1)	41.8 (1.6)	8	6.8	6	7.2 (16)	2
RTV-144	3-1/8" EIA	4	7/8" EIA	603 (23.7)	248 (9.8)	79.4 (3.1)	13.6	11.6	10	9 (20)	2
RTV-146	3-1/8" EIA	6	7/8" EIA	713 (28.1)	235 (9.3)	79.4 (3.1)	20.4	17.4	15	11 (24)	2
RTV-148	3-1/8" EIA	8	7/8" EIA	713 (28.1)	248 (9.8)	79.4 (3.1)	24	20	17	13 (29)	2
RTV-22	3-1/8" EIA	2	1-5/8" EIA	726 (28.6)	218 (8.6)	79.4 (3.1)	16	13.6	12	9 (20)	2
RTV-23	3-1/8" EIA	3	1-5/8" EIA	726 (28.6)	309 (12.2)	79.4 (3.1)	24	20	17	11.5 (25)	2
RTV-24	3-1/8" EIA	4	1-5/8" EIA	726 (28.6)	309 (12.2)	79.4 (3.1)	24	20	17	12.5 (28)	2
RTV-26	3-1/8" EIA	6	1-5/8" EIA	726 (28.6)	280 (11)	79.4 (3.1)	24	20	17	15 (33)	2
RTV-294	4-1/2" EIA	4	1-5/8" EIA	747 (29.4)	349 (13.7)	106 (4.2)	32	27.2	24	19 (42)	2
RTV-295	4-1/2" EIA	5	1-5/8" EIA	726 (28.6)	331 (13)	106 (4.2)	37	31	28	21 (46)	2
RTV-296	4-1/2" EIA	6	1-5/8" EIA	726 (28.6)	314 (12.4)	106 (4.2)	37	31	28	22 (49)	2
RTV-298	4-1/2" EIA	8	1-5/8" EIA	747 (29.4)	349 (13.7)	106 (4.2)	37	31	28	24 (53)	2
RTV-202	4-1/2" EIA	2	3-1/8" EIA	754 (29.7)	428 (16.9)	106 (4.2)	37	31	28	22 (49)	2
RTV-203	4-1/2" EIA	3	3-1/8" EIA	754 (29.7)	428 (16.9)	106 (4.2)	37	31	28	23 (51)	2
RTV-204	4-1/2" EIA	4	3-1/8" EIA	754 (29.7)	428 (16.9)	106 (4.2)	37	31	28	25 (55)	2
RTV-232/SP	6-1/8" EIA	2	4-1/2" EIA	850 (33.5)	659 (25.9)	135 (5.3)	57	48	42	44 (97)	2

