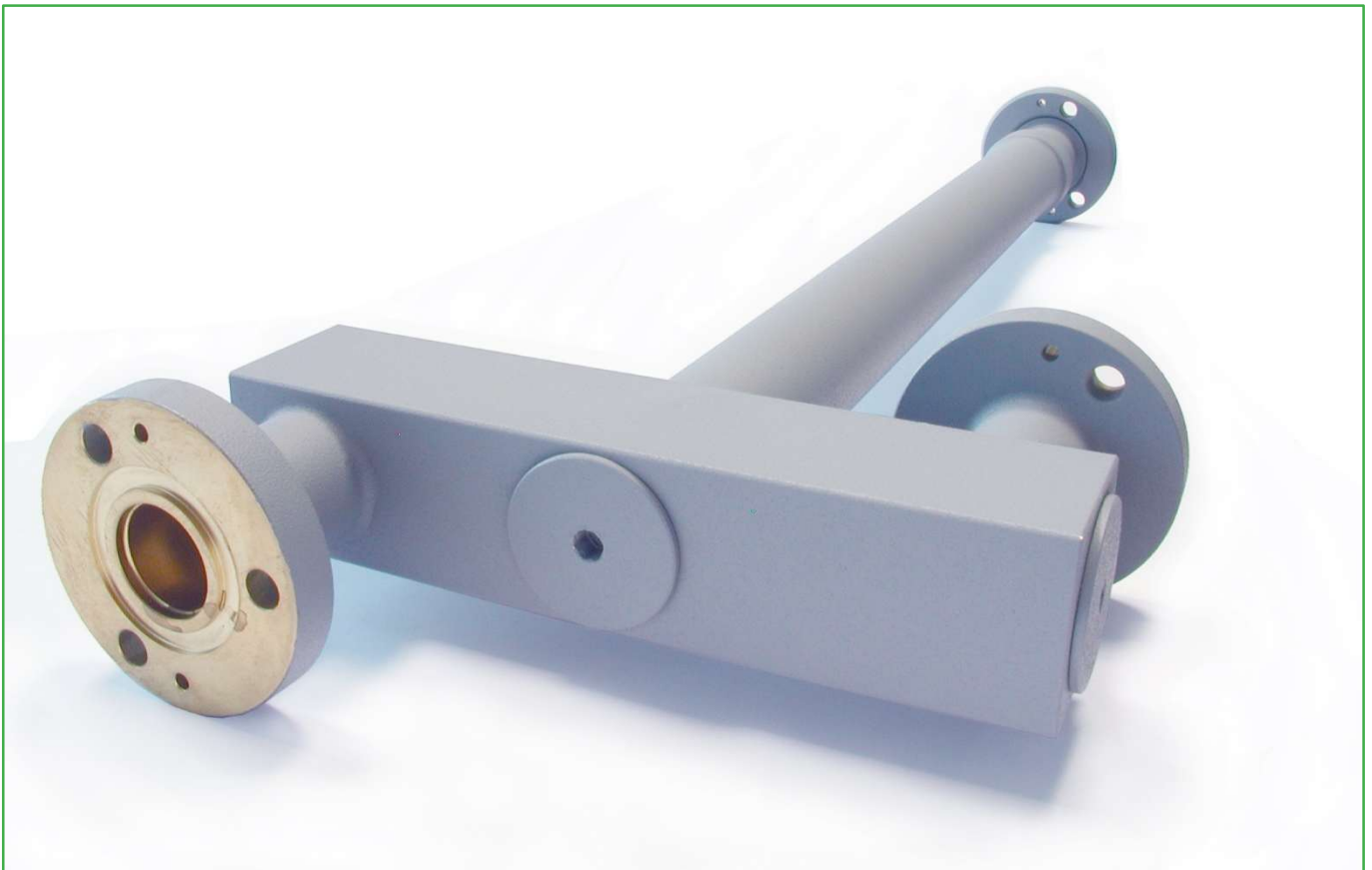


LB

Passive Components

Coaxial Splitters
FM - VHF BIII - UHF



Broadband power dividers – Low insertion loss – Low VSWR



High reliability
and compact size



Resistant to extreme
weather conditions



Rugged in
construction



Low cost
of ownership

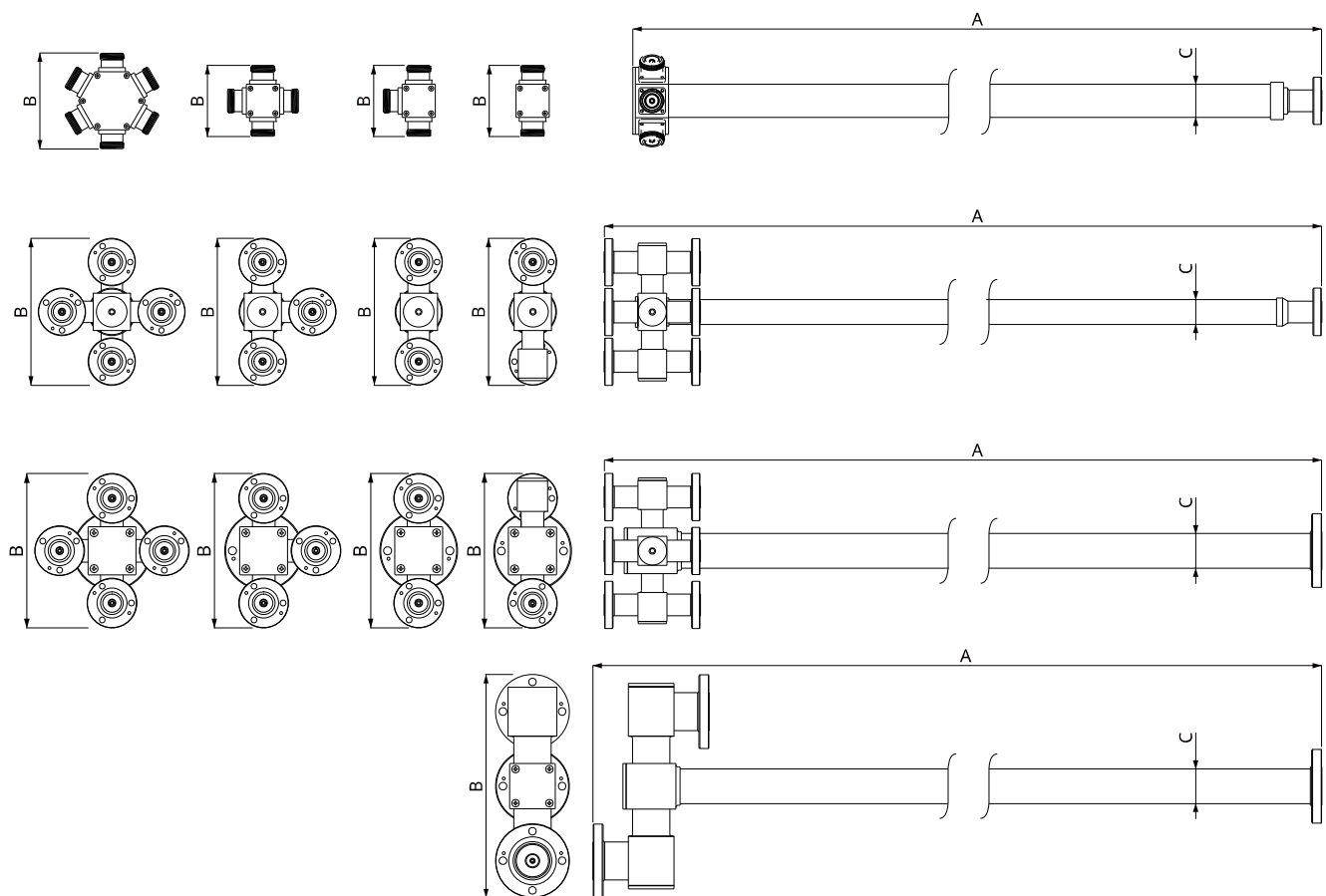
ABE ELETTRONICA

Via Leonardo da Vinci, 224 - 24043 Caravaggio (BG) - Italy
Tel. +39 0363 35 10 07 - Fax +39 0363 50 756 - mail@abe.it - www.abe.it



GENERAL SPECIFICATIONS

Frequency ranges	SP: FM Band 87.5 to 108MHz SV: VHF BIII Band 174 to 230MHz SU: UHF Band 470 to 860MHz
Impedance	50ohm
Connectors	See tables below
Number of ways	See tables below
Power Rating	See tables below Note: power rating is specified at the highest frequency within the relative band SP: 108MHz SV: 230MHz SU: 860MHz
VSWR	≤ 1.05:1
Materials Body Inner conductor Insulator	polished copper, polished brass silver plate brass, polished brass teflon



Model	# Outputs	Input connector	Output connectors	Dimensions (mm)			Power Rating (kW)	Weight (kg)
				A	B	C		
FM Band 87.5 to 108MHz								
SP8-158-78	8	1+5/8" EIA	7/8" EIA	1639	187	42	15.0	11.0
SP8-158-716	8	1+5/8" EIA	7-16 DIN f	1622	166	40	15.0	9.0
SP8-78-78	8	7/8" EIA	7/8" EIA	1639	177	30	5.0	8.0
SP8-78-716	8	7/8" EIA	7-16 DIN f	1622	166	30	5.0	6.5
SP8-716-716	8	7-16 DIN f	7-16 DIN f	1600	166	30	3.5	6.5
SP6-318-78L	6	3+1/8" EIA	7/8" EIA	1686	248	80	30.0	20.0
SP6-318-716L	6	3+1/8" EIA	7-16 DIN f	1686	248	80	12.0	16.0
SP6-158-78	6	1+5/8" EIA	7/8" EIA	1639	187	42	15.0	9.5
SP6-158-716	6	1+5/8" EIA	7-16 DIN f	1652	115	40	12.0	8.5
SP6-78-78	6	7/8" EIA	7/8" EIA	1639	177	30	5.0	7.0
SP6-78-716	6	7/8" EIA	7-16 DIN f	1658	115	30	5.0	5.5
SP6-716-716	6	7-16 DIN f	7-16 DIN f	1636	115	30	3.5	5.5
SP5-158-78	5	1+5/8" EIA	7/8" EIA	1639	187	42	15.0	9.0
SP5-158-716	5	1+5/8" EIA	7-16 DIN f	1522	176	42	8.0	7.5
SP5-78-78	5	7/8" EIA	7/8" EIA	1639	177	30	5.0	6.5
SP5-78-716	5	7/8" EIA	7-16 DIN f	1622	166	30	5.0	5.3
SP5-716-716	5	7-16 DIN f	7-16 DIN f	1600	166	30	3.5	5.3
SP4-318-158L	4	3+1/8" EIA	1+5/8" EIA	1686	280	80	30.0	21.0
SP4-318-78L	4	3+1/8" EIA	7/8" EIA	1686	248	80	20.0	14.0
SP4-158-78	4	1+5/8" EIA	7/8" EIA	1639	187	42	15.0	9.0
SP4-158-716	4	1+5/8" EIA	7-16 DIN f	1652	85	40	8.0	6.5
SP4-78-78	4	7/8" EIA	7/8" EIA	1639	177	30	5.0	6.5
SP4-78-716	4	7/8" EIA	7-16 DIN f	1658	85	30	5.0	5.0
SP4-716-716	4	7-16 DIN f	7-16 DIN f	1636	85	30	3.5	5.0
SP3-318-158L	3	3+1/8" EIA	1+5/8" EIA	1686	248	80	30.0	20.0
SP3-318-78L	3	3+1/8" EIA	7/8" EIA	1686	248	80	15.0	18.0
SP3-158-78	3	1+5/8" EIA	7/8" EIA	1639	187	42	15.0	8.5
SP3-158-716	3	1+5/8" EIA	7-16 DIN f	1652	85	40	10.0	6.0
SP3-78-78	3	7/8" EIA	7/8" EIA	1639	177	30	5.0	6.0
SP3-78-716	3	7/8" EIA	7-16 DIN f	1658	85	30	5.0	4.8
SP3-716-716	3	7-16 DIN f	7-16 DIN f	1636	85	30	3.5	4.8
SP2-318-158L	2	3+1/8" EIA	1+5/8" EIA	1686	280	80	30.0	16.0
SP2-158-158	2	1+5/8" EIA	1+5/8" EIA	1652	269	42	15.0	7.0
SP2-158-78	2	1+5/8" EIA	7/8" EIA	1639	187	42	10.0	6.0
SP2-158-716	2	1+5/8" EIA	7-16 DIN f	1622	85	40	5.0	5.5
SP2-78-78	2	7/8" EIA	7/8" EIA	1639	177	30	5.0	5.5

Model	# Outputs	Input connector	Output connectors	Dimensions (mm)			Power Rating (kW)	Weight (kg)
				A	B	C		
SP2-78-716	2	7/8" EIA	7-16 DIN f	1658	85	30	5.0	4.5
SP2-716-716	2	7-16 DIN f	7-16 DIN f	1636	85	30	3.5	4.5
VHF III Band 174 to 230MHz								
SV8-158-78	8	1+5/8" EIA	7/8" EIA	1222	187	42	11.5	10.0
SV8-158-716	8	1+5/8" EIA	7-16 DIN f	1206	176	42	11.5	9.5
SV8-78-78	8	7/8" EIA	7/8" EIA	1249	187	42	3.7	9.0
SV8-78-716	8	7/8" EIA	7-16 DIN f	1233	176	42	3.7	8.5
SV6-158-78	6	1+5/8" EIA	7/8" EIA	1222	187	42	11.5	9.0
SV6-158-716	6	1+5/8" EIA	7-16 DIN f	1206	176	42	11.5	8.5
SV6-78-78	6	7/8" EIA	7/8" EIA	1249	187	42	3.7	8.0
SV6-78-716	6	7/8" EIA	7-16 DIN f	1233	176	42	3.7	7.0
SV5-158-78	5	1+5/8" EIA	7/8" EIA	1222	187	42	11.5	8.0
SV5-158-716	5	1+5/8" EIA	7-16 DIN f	1206	176	42	11.5	7.5
SV5-78-78	5	7/8" EIA	7/8" EIA	1249	187	42	3.7	7.0
SV5-78-716	5	7/8" EIA	7-16 DIN f	1233	176	42	3.7	6.0
SV4-158-78	4	1+5/8" EIA	7/8" EIA	1222	187	42	11.5	7.0
SV4-158-716	4	1+5/8" EIA	7-16 DIN f	1206	176	42	11.5	6.5
SV4-78-78	4	7/8" EIA	7/8" EIA	1249	177	30	3.7	6.5
SV4-78-716	4	7/8" EIA	7-16 DIN f	1233	166	30	3.7	5.0
SV4-716-716	4	7-16 DIN f	7-16 DIN f	1208	166	30	3.5	5.0
SV3-158-78	3	1+5/8" EIA	7/8" EIA	1222	187	42	11.1	6.5
SV3-158-716	3	1+5/8" EIA	7-16 DIN f	1206	176	42	10.5	5.5
SV3-78-78	3	7/8" EIA	7/8" EIA	1249	177	30	3.7	6.0
SV3-78-716	3	7/8" EIA	7-16 DIN f	1233	166	30	3.7	4.5
SV3-716-716	3	7-16 DIN f	7-16 DIN f	1208	166	30	3.5	4.0
SV2-158-78	2	1+5/8" EIA	7/8" EIA	877	187	42	7.4	6.0
SV2-158-716	2	1+5/8" EIA	7-16 DIN f	1206	176	42	7.0	5.0
SV2-78-78	2	7/8" EIA	7/8" EIA	877	177	30	3.7	5.5
SV2-78-716	2	7/8" EIA	7-16 DIN f	861	166	30	3.7	4.0
SV2-716-716	2	7-16 DIN f	7-16 DIN f	835	166	30	3.5	3.5
UHF Band 470 to 860MHz								
SU8-158-78	8	1+5/8" EIA	7/8" EIA	711	187	42	6.0	8.5
SU8-158-716	8	1+5/8" EIA	7-16 DIN f	564	176	42	6.0	8.0
SU8-78-78	8	7/8" EIA	7/8" EIA	677	187	42	2.5	7.5
SU8-78-716	8	7/8" EIA	7-16 DIN f	693	176	42	2.5	7.0
SU6-158-78	6	1+5/8" EIA	7/8" EIA	711	187	42	6.0	7.5
SU6-158-716	6	1+5/8" EIA	7-16 DIN f	564	176	42	6.0	7.0

Model	# Outputs	Input connector	Output connectors	Dimensions (mm)			Power Rating (kW)	Weight (kg)
				A	B	C		
SU6-78-78	6	7/8" EIA	7/8" EIA	709	187	42	2.5	6.5
SU6-78-716	6	7/8" EIA	7-16 DIN f	693	176	42	2.5	5.5
SU5-158-78	5	1+5/8" EIA	7/8" EIA	711	187	42	6.0	6.5
SU5-158-716	5	1+5/8" EIA	7-16 DIN f	564	188	42	6.0	6.0
SU5-78-78	5	7/8" EIA	7/8" EIA	709	187	42	2.5	5.5
SU5-78-716	5	7/8" EIA	7-16 DIN f	693	176	42	2.5	4.5
SU4-318-158	4	3+1/8" EIA	1+5/8" EIA	726	309	80	17.0	12.5
SU4-158-158	4	1+5/8" EIA	1+5/8" EIA	889	269	42	6.0	8.0
SU4-158-78	4	1+5/8" EIA	7/8" EIA	582	187	42	6.0	5.5
SU4-158-716	4	1+5/8" EIA	7-16 DIN f	566	176	42	6.0	5.0
SU4-78-78	4	7/8" EIA	7/8" EIA	562	177	30	2.5	5.0
SU4-78-716	4	7/8" EIA	7-16 DIN f	546	166	30	2.5	3.5
SU4-78-N	4	7/8" EIA	N female	434	73	25	2.0	3.0
SU4-716-716	4	7-16 DIN f	7-16 DIN f	423	79	25	2.0	3.5
SU4-716-N	4	7-16 DIN f	N female	423	73	25	2.0	3.0
SU4-N-N	4	N female	N female	420	73	25	0.5	3.0
SU3-158-158	3	1+5/8" EIA	1+5/8" EIA	889	269	42	6.0	7.0
SU3-158-78	3	1+5/8" EIA	7/8" EIA	582	187	42	6.0	5.0
SU3-158-716	3	1+5/8" EIA	7-16 DIN f	566	176	42	6.0	4.0
SU3-78-78	3	7/8" EIA	7/8" EIA	562	177	30	2.5	4.5
SU3-78-716	3	7/8" EIA	7-16 DIN f	546	166	30	2.5	3.0
SU3-78-N	3	7/8" EIA	N female	434	73	25	1.5	2.5
SU3-716-716	3	7-16 DIN f	7-16 DIN f	423	79	25	2.0	2.5
SU3-716-N	3	7-16 DIN f	N female	423	73	25	1.5	2.5
SU3-N-N	3	N female	N female	420	73	25	0.5	2.5
SU2-318-158	2	3+1/8" EIA	1+5/8" EIA	726	218	80	12.0	9.0
SU2-158-158	2	1+5/8" EIA	1+5/8" EIA	889	269	42	6.0	6.5
SU2-158-78	2	1+5/8" EIA	7/8" EIA	582	187	42	5.0	4.5
SU2-158-716	2	1+5/8" EIA	7-16 DIN f	566	176	42	4.0	4.0
SU2-78-78	2	7/8" EIA	7/8" EIA	562	177	30	2.5	4.0
SU2-78-716	2	7/8" EIA	7-16 DIN f	546	166	30	2.5	3.0
SU2-78-N	2	7/8" EIA	N female	434	73	25	1.0	2.5
SU2-716-716	2	7-16 DIN f	7-16 DIN f	423	79	25	2.0	2.5
SU2-716-N	2	7-16 DIN f	N female	423	73	25	1.0	2.5
SU4-N-N	2	N female	N female	420	73	25	0.5	2.5

All specifications contained in this document may be changed without prior notice.

ABE ELETTRONICA

Via Leonardo da Vinci, 224 - 24043 Caravaggio (BG) - Italy
 Tel. +39 0363 35 10 07 - Fax +39 0363 50 756 - mail@abe.it - www.abe.it

