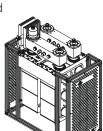
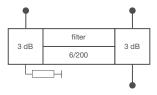


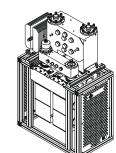
CCS UHF CIB Combiners

- CCS compact design
- For 6, 7 and 8 MHz channel bandwidth
- Tuneable within the whole UHF range
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Liquid cooled filters









576055A2010	BN 576056A2020

6056A2020 BN 576057A2020

Part Number	Liquid Cooled	BN 576055A2	010	BN 576056A2010		0	BN 576057A2020		BN 576058A2020	
Frequency range		470 - 800 MHz								
Channel spacing		≥ 0								
Narrowband input		3 1/8" EIA male								
Filter type integ	6/200 ≡ BN 616540									
Temperature sta	≤ 2 kHz / K									
Harmonics atter	≥ 50 dB for f ≤ 860 MHz									
DTV mask filteri	ng	DVB-T @ 8 MHz (Û/U _{rms} =13 dB)			ISDB-T @ 6 MHz $(\hat{U}/U_{ms}=13 \text{ dB})$				DVB-T @ 7 MHz (Û/U _{rms} =13 dB)	
Average input p The input power filters must be re stalled more that sea level.	r of liquid cooled educed if in-	≤ 23 kW @ 0 - 1000 m ≤ 20 kW @ 2000 m ≤ 18 kW @ 2600 m ≤ 16 kW @ 3200 m ≤ 14 kW @ 3800 m ≤ 12 kW @ 4400 m			≤ 20 kW @ 0 - 500 m ≤ 18 kW @ 1200 m ≤ 16 kW @ 2000 m ≤ 14 kW @ 2800 m ≤ 12 kW @ 3400 m ≤ 10 kW @ 4200 m			<u> </u>	≤ 22 kW @ 0 - 600 m ≤ 20 kW @ 1400 m ≤ 18 kW @ 2000 m ≤ 16 kW @ 2600 m ≤ 14 kW @ 3300 m ≤ 12 kW @ 4000 m	
Tuning instruction	on	AS6194			AS6185				AS6290	
Insertion loss & (alternative tunin				0.45 dB 1.00 dB 1.15 dB	f_0 $f_0 \pm 2.79$ $f_0 \pm 3.0$ $f_0 \pm 3.15$ $f_0 \pm 4.5$	≤ 0.4	MHz 803 MHz dB ≤ 0.55 dB dB ≤ 1.40 dB ≥ 4 dB ≥ 8 dB ≥ 23 dB	f_0 $f_0 \pm 3.2$ $f_0 \pm 4.2$ $f_0 \pm 10$	2 ≥ 13 dB	
		$f_0 \pm 12 \qquad \qquad \geq 40 \text{ dB}$			$f_0 \pm 9$ $\geq 48 \text{ dB}$ $f_0 \pm 15$ $\geq 50 \text{ dB}$					
Group delay var		$\Delta \tau \leq 3$	50 ns			$\Delta \tau \leq 50$	0 ns		$\Delta \tau \leq$ 150 ns	
Wideband input		3 1/8" EIA male		4 1/2" EIA male			52-120 BT male		6 1/8" EIA male	
Average input p	ower	≤ 17.5 kW		≤	≤ 33 kW		≤ 60 kW		≤ 80 kW	
		Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.							% of the power fed	
DTV mask filteri	ng	No								
Insertion loss		≤ 0.1 dB (non adjacent)								
Output		3 1/8" EIA male		4 1/2" EIA male			52-120 BT male		6 1/8" EIA male	
Peak output vol	tage	≤ 12.5 kV		≤ 15.5 kV			≤ 19.5 kV		≤ 24 kV	
Average output	power						≤ 60 kW			
Isolation between	n inputs	≥ 35 dB								
VSWR (one WB o	channel)	≤ 1.06								
Dimensions (L x \	W x H) mm	900 x 480 x 1200			900 x			900 x 52	0 x 1400	
Weight		≈ 145 kg		≈	\approx 165 kg \approx 210 kg			≈ 230 kg		
Liquid cooling int	erface	Stainless steel tube 12mm x 1 mm unflanged ending straight at the bottom								
Fan cooling inter	face	24 V DC mains adapter for 85 – 250 V AC / 46 – 63 Hz								
Environmental conditions For limitations see "Environmental Conditions for Broadcast Products".										