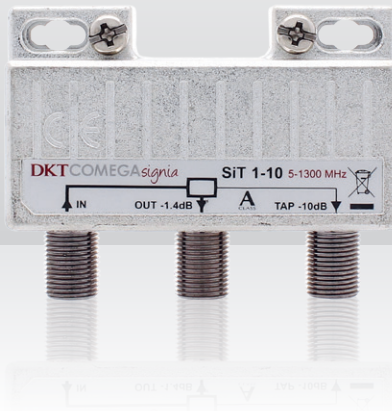


"Signia" taps and splitters

1-way and 2-way taps

84020110
SiT 1-10



84020220
SiT 2-20



KLASSE
A
CLASS

- Frequency range 5 – 1.300 MHz
- Nickel-tin plated brass connectors lead to a minimum failure rate
- Literally maintenance-free, creating a unique OPEX advantage
- Field proven! No lose cable connectors as the Signia connector is temperature- and corrosion-resistant
- Designed for DOCSIS® 3.1

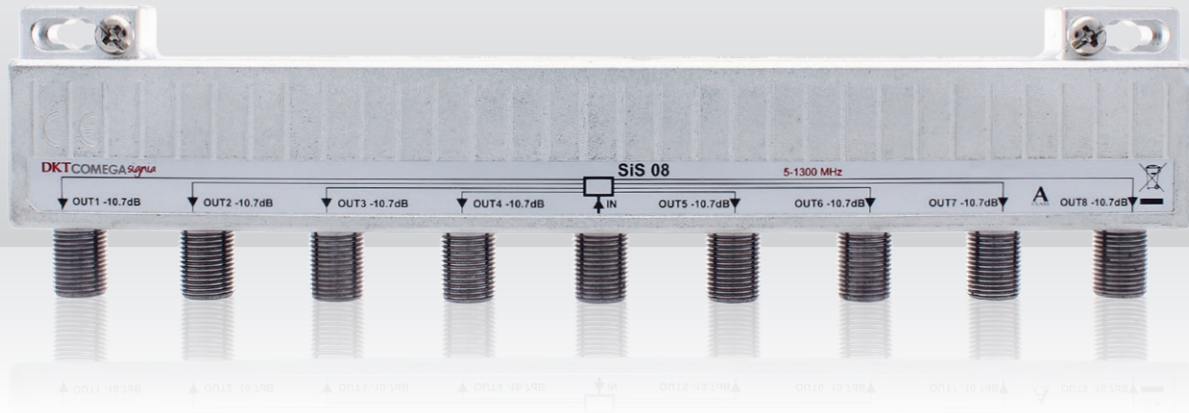
- The Signia product series contains ferrite cores, which are protected against unwanted strong signals and can be driven above their linear range of operation at high power
- Protected against dust & humidity
- Screening factor Class A

Parameter	Frequency [MHz]	1-way taps							
		SiT-1-6	SiT-1-8	SiT-1-10	SiT-1-12	SiT-1-16	SiT-1-20	SiT-1-24	SiT-1-30
Tap loss [dB typ.] IN – TAP	10 – 1.300	6,6 (± 0,6)	8,3 (± 0,6)	10,2 (± 0,6)	12,1 (± 0,6)	16,0 (± 0,6)	20,0 (± 0,6)	23,9 (± 0,6)	30,2 (± 0,6)
Through loss [dB typ.] IN – OUT	10 – 470	2,3	1,7	1,0	0,7	0,6	0,6	0,6	0,6
	470 – 862	2,8	2,1	1,4	1,0	0,8	0,8	0,8	0,8
	862 – 1.006	3,0	2,4	1,8	1,2	1,0	1,0	1,0	1,0
	1.006 – 1.300	3,1	2,8	2,4	1,8	1,6	1,6	1,3	1,3
Directivity typ./min. [dB] TAP – OUT	10 – 470	27/22	27/22	33/24	30/24	36/28	36/28	36/28	40/28
	470 – 862	22/20	23/20	29/21	29/22	30/23	32/24	35/26	38/28
	862 – 1.006	22/20	22/20	25/20	25/21	25/22	27/22	30/24	36/25
	1.006 – 1.300	22/20	22/20	25/20	25/20	25/21	28/21	30/21	35/23
Dimensions [mm]		65 x 50 x 16							
Order No.		84020106	84020108	84020110	84020112	84020116	84020120	84020124	84020130

Parameter	Frequency [MHz]	2-way taps						
		SiT-2-8	SiT-2-10	SiT-2-12	SiT-2-16	SiT-2-20	SiT-2-24	SiT-2-28
Tap loss [dB typ.] IN – TAP	10 – 1.300	8,5 (± 0,8)	10,2 (± 0,8)	12,4 (± 0,8)	16,3 (± 0,8)	20,0 (± 0,8)	24,0 (± 0,8)	28,0 (± 0,8)
Through loss [dB typ.] IN – OUT	10 – 470	3,2	1,9	1,2	1,1	1,1	1,1	1,1
	470 – 862	3,5	2,7	1,7	1,4	1,4	1,4	1,4
	862 – 1.006	3,7	3,2	2,1	1,6	1,6	1,6	1,6
	1.006 – 1.300	3,9	3,8	2,4	2,1	2,1	2,1	2,1
Directivity typ./min. [dB] TAP – OUT	10 – 470	35/26	35/26	36/26	38/26	42/28	44/30	44/30
	470 – 862	30/22	30/23	30/23	30/23	35/24	37/25	37/25
	862 – 1.006	24/21	27/21	28/21	29/22	31/22	33/24	33/24
	1.006 – 1.300	24/20	27/20	27/20	27/20	27/20	29/22	29/22
Isolation typ./min. [dB] TAP – TAP	10 – 470	31/25	35/29	40/32	45/34	60/35	64/35	64/35
	470 – 862	31/22	34/27	38/30	38/34	52/35	60/35	60/35
	862 – 1.006	29/21	32/26	36/28	36/32	46/33	51/35	51/35
	1.006 – 1.300	27/21	31/22	34/25	36/28	43/31	49/34	49/34
Dimensions [mm]		109 x 50 x 16						
Order No.		84020208	84020210	84020212	84020216	84020220	84020224	84020228

3-way to 8-way taps and splitters

84148008
SiS 08



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Parameter	Frequency [MHz]	3-way taps		4-way taps				
		SiT-3-16	SiT-3-20	SiT-4-12s	SiT-4-16s	SiT-4-24s	SiT-2-24	SiT-4-28s
Tap loss [dB typ.] IN – TAP	10 – 1.300	16,1 (± 0,8)	20,1 (± 0,8)	12,4 (± 0,8)	16,2 (± 0,8)	20,0 (± 0,8)	24,0 (± 0,8)	28,0 (± 0,8)
Through loss [dB typ.] IN – OUT	10 – 470	2,0	1,2	3,7	2,7	1,5	1,5	1,5
	470 – 862	1,9	1,5	3,8	2,7	1,8	1,8	1,8
	862 – 1.006	2,2	1,7	4,3	2,9	2,1	2,1	2,1
	1.006 – 1.300	2,7	2,3	5,1	3,7	2,7	2,7	2,7
Directivity typ./min. [dB] TAP – OUT	10 – 470	35/24	44/28	32/24	34/24	40/24	43/25	43/25
	470 – 862	32/22	33/22	31/22	31/21	33/21	40/24	40/24
	862 – 1.006	28/21	29/21	27/20	27/21	29/21	33/22	33/22
	1.006 – 1.300	25/20	25/20	25/20	25/20	27/20	29/20	29/20
Isolation typ./min. [dB] TAP – TAP	10 – 470	50/34	59/34	48/34	50/36	52/38	54/38	54/38
	470 – 862	45/32	51/32	43/32	45/34	47/36	49/36	49/36
	862 – 1.006	41/32	44/32	40/30	42/32	45/34	47/34	47/34
	1.006 – 1.300	37/30	42/30	38/28	40/30	43/32	45/32	45/32
Dimensions [mm]		109 x 50 x 16		131 x 50 x 16				
Order No.		84148316	84148320	84148430	84148431	84148432	84148433	84148434

Parameter	Frequency [MHz]	Internally terminated 4-way taps		Internally terminated 6-way tap	Internally terminated 8-way tap
		SiTT-4-10	SiTT-4-12	SiTT-6-14	SiTT-8-15
Tap loss [dB typ.] IN – TAP	10 – 1.300	10,2 (± 0,9)	12,3 (± 0,9)	14,1 (± 0,8)	15,8 (± 1,1)
Isolation typ./min. [dB] TAP – TAP	10 – 470	40/30	43/32	40/34	42/36
	470 – 862	34/30	36/32	40/32	40/32
	862 – 1.006	32/28	34/30	38/30	40/30
	1.006 – 1.300	30/26	32/28	34/28	37/28
Dimensions [mm]		109 x 50 x 16		196 x 50 x 16	196 x 50 x 16
Order No.		84148410	84148411	84148614	84148815

Parameter	Frequency [MHz]	2-way splitter	3-way splitter	3-way splitter, asymmetric	4-way splitter	6-way splitter	8-way splitter
		SiS-02	SiS-03	SiS-03A	SiS-04	SiS-06	SiS-08
Through loss [dB typ.] IN – OUT	10 – 470	3,3	5,2	3,3/6,6	6,6	8,4	10,1
	470 – 862	3,5	5,6	3,7/7,0	7,1	9,0	10,7
	862 – 1.006	3,7	5,8	3,8/7,3	7,5	9,4	11,2
	1.006 – 1.300	4,0	6,2	4,2/7,8	7,9	9,9	11,9
Isolation typ./min. [dB] OUT – OUT	10 – 470	34/28	32/25	32/24	35/24	33/23	33/24
	470 – 862	30/23	30/22	30/24	30/22	28/20	32/22
	862 – 1.006	29/22	26/20	30/24	30/20	28/20	31/20
	1.006 – 1.300	24/20	23/18	28/21	30/20	28/18	30/20
Dimensions [mm]		65 x 50 x 16	109 x 50 x 16		109 x 50 x 16	196 x 50 x 16	196 x 50 x 16
Order No.		84148002	84148003	84148005	84148004	84148006	84148008