

1,2 GHz power inserter, splitters and couplers



52703000
SPLRE-03



52710800
TPLRE-1-8

KLASSE
A
CLASS + 10 dB

- Watertight aluminium alloy housing with PU coating (IP68)
- Waterproof condition 15 PSI
- AC current path with jumpers can be switched to all outputs
- High screening factor Class A + 10 dB
- All connections are 5/8"-threads

- Power rating max. 15 A, 90 VAC
- Hum modulation distance at 10 A with 70 dB average
- Surge protection 1 kV 1,2/50 µs
- Operating temperature range: -40°C ... +60°C
- Mounting angle not included (Order No. 52999000)

Parameter	Frequency [MHz]	Power inserter	2-way splitter	3-way splitter		SPLRE-03E
		PIRE-01	SPLRE-02	SPLRE-03	SPLRE-03E	
		IN – OUT	IN – OUT 1; 2	IN – OUT 1	IN – OUT 2; 3	IN – OUT 1; 2; 3
Through loss [dB]	5 – 10	0,7	4,1	4,1	7,4	7,0
	10 – 65	0,7	4,1	4,1	7,4	6,5
	65 – 300	0,7	4,3	4,3	7,5	6,5
	300 – 550	0,7	4,5	4,5	7,6	7,0
	550 – 750	1,0	4,6	4,6	7,7	7,3
	750 – 862	1,3	4,7	4,7	7,8	7,5
	862 – 1.006	1,3	4,8	4,8	8,0	8,5
1.006 – 1.218	1,4	5,5	6,0	9,5	9,0	
		Power max. 20 A, 90 VAC				
Return loss [dB min.]	5 – 10	17	16	16	16	16
	10 – 47	18	18	18	18	16
	47 – 300	18*	18*	18*	18*	18*
	300 – 1.218	16	16	16	16	16
Isolation [dB min.]	5 – 10	75	20	21	18	18
	10 – 550	60	25	22	22	22
	550 – 750	60	25	21	22	22
	750 – 862	50	22	20	21	21
	862 – 1.006	50	20	20	20	20
1.006 – 1.218	45	18	20	20	20	
Dimensions [mm]		138 x 124 x 72				
Order No.		52701000	52702000	52703000	52703500	

Parameter	Frequency [MHz]	1-way directional coupler		
		TPLRE-1-8	TPLRE-1-12	TPLRE-1-16
Through loss [dB]	5 – 10	1,8	1,2	1,3
	10 – 65	1,6	1,2	1,3
	65 – 550	2,0	1,5	1,3
	550 – 750	2,5	1,5	1,3
	750 – 862	2,9	1,8	1,6
	862 – 1.006	3,1	2,2	1,6
	1.006 – 1.218	3,3	2,7	2,2
Tap loss [dB max.]	5 – 1.006	9,5	13,0	17,0
	1.006 – 1.218	10,2	13,5	17,5
Return loss [dB min.]	5 – 10	16	16	16
	10 – 47	16	18	18
	47 – 300	18*	18*	18*
	300 – 1.218	16	16	16
Directivity [dB min.]	5 – 10	18	19	21
	10 – 65	28	23	25
	65 – 300	28	25	30
	300 – 550	25	25	25
	550 – 750	21	20	20
750 – 1.218	18	18	20	
Dimensions [mm]		138 x 124 x 72		
Order No.		52710800	52711200	52711600

* At 47 MHz -1,5 dB/Oct