

TA/SP A-type indoor tap & splitter

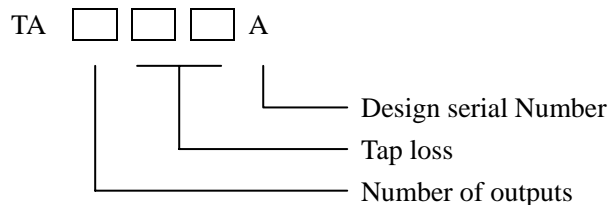
Features

- Zinc-alloy die-casting case with tin-cerium-alloy electroplated.
- 130dB RF shielded, excellently conducted and anti-corrosive.
- “F” connector. Isolation direct current.
- Wideband, low insertion loss and high reliability.

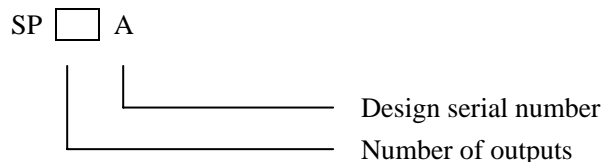


Model number system

1. Tap



2. Splitter



Specifications

1-way tap

Model			TA108A	TA110A	TA112A	TA114A	TA116A	TA118A	
Tap loss (dB)	Standard index		8	10	12	14	16	18	
	typical value	5MHz-65MHz	±0.8	7.5	10.5	12.4	13.8	15.8	18.2
		65MHz-750MHz	±0.8	7.7	10.0	12.2	14.0	15.6	17.8
		750MHz-1000MHz	±1.0	8.0	10.0	12.1	14.5	15.5	17.8
Insertion loss(dB)	5MHz-65MHz		≤1.9	≤1.5	≤0.9	≤0.8	≤0.8	≤0.6	
	65MHz-750MHz		≤2.0	≤1.4	≤0.9	≤0.8	≤0.7	≤0.7	
	750MHz-1000MHz		≤2.3	≤1.8	≤1.0	≤0.8	≤0.8	≤0.7	
Reverse isolation (dB)	5MHz-65MHz		≥25						
	65MHz-750MHz		≥30						
	750MHz-1000MHz		≥30						
Return loss(dB)	5MHz-65MHz		≥16						
	65MHz-1000MHz		≥17						

2-way tap

Model			TA208 A	TA210 A	TA212 A	TA214 A	TA216 A	TA218 A	TA220 A	
Tap loss (dB)	Standard index		8	10	12	14	16	18	20	
	typical value	5MHz-65MHz	±0.8	7.5	9.8	11.5	14.0	16.0	17.8	20.0
		65MHz-750MHz	±0.8	7.8	10.2	11.9	13.8	16.2	17.9	20.1
		750MHz-1000MHz	±1.0	8.2	10.5	12.4	13.9	16.2	18.5	20.2
Insertion loss (dB)	5MHz-65MHz		≤3.5	≤1.9	≤1.6	≤1.3	≤0.95	≤0.9	≤0.8	
	65MHz-750MHz		≤3.9	≤2.0	≤1.6	≤1.4	≤1.0	≤0.9	≤0.7	
	750MHz-1000MHz		≤4.2	≤2.3	≤1.9	≤1.6	≤1.0	≤1.0	≤0.8	
Reverse isolation (dB)	5MHz-65MHz		≥25							
	65MHz-750MHz		≥30							
	750MHz-1000MHz		≥30							
Tap-tap Isolation (dB)	5MHz-65MHz		≥25							
	65MHz-750MHz		≥30							
	750MHz-1000MHz		≥30							
Return loss(dB)	5MHz-65MHz		≥16							
	65MHz-750MHz		≥17							
	65MHz-1000MHz		≥17							

3-way tap

Model				TA309 A	TA312 A	TA315 A	TA318 A	TA321 A	TA324 A
Tap loss (dB)	Standard index			09	12	15	18	21	24
	typical value	5MHz-65MHz	± 0.8	8.6	12.7	15.3	17.6	21.0	24.0
		65MHz-750MHz	± 0.8	8.6	12.7	15.3	17.6	21.0	24.0
		750MHz-1000MHz	± 1.0	9.4	13.1	15.1	18.5	21.0	23.8
Insertion loss (dB)	5MHz-65MHz			≤ 3.5	≤ 2.4	≤ 1.4	≤ 1.2	≤ 0.6	≤ 0.6
	65MHz-750MHz			≤ 3.6	≤ 2.6	≤ 1.4	≤ 1.2	≤ 0.6	≤ 0.6
	750MHz-1000MHz			≤ 4.2	≤ 2.8	≤ 1.7	≤ 1.3	≤ 0.9	≤ 0.8
Reverse isolation(dB)	5MHz-65MHz			≥ 28					
	65MHz-750MHz			≥ 30					
	750MHz-1000MHz			≥ 30					
Tap-tap Isolation (dB)	5MHz-65MHz			≥ 28					
	65MHz-750MHz			≥ 30					
	750MHz-1000MHz			≥ 30					
Return loss(dB)	5MHz-65MHz			≥ 16					
	65MHz-1000MHz			≥ 17					

4-way tap

Model				TA411 A	TA414 A	TA417 A	TA420 A	TA423 A	TA426 A
Tap loss (dB)	Standard index			11	14	17	20	23	26
	typical value	5MHz-65MHz	± 0.8	10.5	13.5	17.2	19.5	22.6	25.0
		65MHz-750MHz	± 0.8	10.6	14.2	17.0	20.0	23.1	25.5
		750MHz-1000MHz	± 1.0	11.0	14.5	17.0	20.5	23.5	26.2
Insertion loss (dB)	5MHz-65MHz			≤ 3.5	≤ 1.9	≤ 1.3	≤ 0.9	≤ 0.6	≤ 0.6
	65MHz-750MHz			≤ 3.7	≤ 2.0	≤ 1.4	≤ 0.9	≤ 0.7	≤ 0.6
	750MHz-1000MHz			≤ 4.1	≤ 2.3	≤ 1.6	≤ 1.0	≤ 0.8	≤ 0.7
Reverse isolation (dB)	5MHz-65MHz			≥ 28					
	65MHz-750MHz			≥ 30					
	750MHz-1000MHz			≥ 30					
Tap-tap Isolation (dB)	5MHz-65MHz			≥ 28					
	65MHz-750MHz			≥ 30					
	750MHz-1000MHz			≥ 30					
Return loss(dB)	5MHz-65MHz			≥ 16					
	65MHz-1000MHz			≥ 17					

5-way tap

Model				TA513A	TA516A	TA519A	TA522A	TA525A
Tap loss (dB)	Standard index			13	16	19	22	25
	typical value	5MHz-65MHz	± 0.8	12.6	15.5	18.5	21.5	24.5
		65MHz-750MHz	± 0.8	13.2	16.1	19.1	22.1	25.2
		750MHz-1000MHz	± 1.0	13.5	16.5	19.5	22.5	25.5
Insertion loss (dB)	5MHz-65MHz			≤ 3.5	≤ 1.9	≤ 1.3	≤ 0.9	≤ 0.6
	65MHz-750MHz			≤ 3.7	≤ 2.0	≤ 1.4	≤ 0.9	≤ 0.7
	750MHz-1000MHz			≤ 4.1	≤ 2.3	≤ 1.6	≤ 1.0	≤ 0.8
Reverse isolation (dB)	5MHz-65MHz			≥ 28				
	65MHz-750MHz			≥ 30				
	750MHz-1000MHz			≥ 30				
Tap-tap Isolation (dB)	5MHz-65MHz			≥ 28				
	65MHz-750MHz			≥ 30				
	750MHz-1000MHz			≥ 30				
Return loss (dB)	5MHz-65MHz			≥ 16				
	65MHz-1000MHz			≥ 17				

6-way tap

Model				TA613A	TA616A	TA619A	TA622A	TA625A
Tap loss (dB)	Standard index			13	16	19	22	25
	typical value	5MHz-65MHz	± 0.8	12.6	15.5	18.5	21.5	24.5
		65MHz-750MHz	± 0.8	13.2	16.1	19.1	22.1	25.2
		750MHz-1000MHz	± 1.0	13.5	16.5	19.5	22.5	25.5
Insertion loss (dB)	5MHz-65MHz			≤ 3.5	≤ 1.9	≤ 1.3	≤ 0.9	≤ 0.6
	65MHz-750MHz			≤ 3.7	≤ 2.0	≤ 1.4	≤ 0.9	≤ 0.7
	750MHz-1000MHz			≤ 4.1	≤ 2.3	≤ 1.6	≤ 1.0	≤ 0.8
Reverse isolation (dB)	5MHz-65MHz			≥ 28				
	65MHz-750MHz			≥ 30				
	750MHz-1000MHz			≥ 30				
Tap-tap Isolation (dB)	5MHz-65MHz			≥ 28				
	65MHz-750MHz			≥ 30				
	750MHz-1000MHz			≥ 30				
Return loss (dB)	5MHz-65MHz			≥ 16				
	65MHz-1000MHz			≥ 17				

8-way tap

Model		TA814A	TA817A	TA820A	TA823A	TA826A		
Tap loss (dB)	Standard index	14	17	20	23	26		
	typical value	5MHz-65MHz	±0.8	13.5	17.9	20.0	22.5	26.0
		65MHz-750MHz	±0.8	14.4	17.8	19.6	22.4	25.8
		750MHz-1000MHz	±1.0	15.2	18.2	20.2	23.5	25.5
Insertion loss (dB)	5MHz-65MHz	≤3.6	≤2.0	≤1.5	≤1.0	≤0.6		
	65MHz-750MHz	≤3.9	≤2.2	≤1.8	≤1.1	≤0.7		
	750MHz-1000MHz	≤4.2	≤2.9	≤2.2	≤1.3	≤1.0		
Reverse isolation (dB)	5MHz-65MHz	≥28						
	65MHz-750MHz	≥30						
	750MHz-1000MHz	≥30						
Tap-tap Isolation (dB)	5MHz-65MHz	≥28						
	65MHz-750MHz	≥30						
	750MHz-1000MHz	≥30						
Return loss (dB)	5MHz-65MHz	≥16						
	65MHz-1000MHz	≥17						

Splitter

Model	frequency (MHz)	Tap loss (dB)	Tap-tap loss (dB)	Return loss (dB)
2-way splitter (SP2A)	5	≤3.8	≥28	≥16
	65	≤4.0	≥30	≥17
	750	≤4.2	≥30	≥17
	1000	≤4.2	≥28	≥17
3-way splitter (SP3A)	5	≤6.0	≥28	≥16
	65	≤5.8	≥30	≥17
	750	≤6.2	≥30	≥17
	1000	≤6.6	≥30	≥17
4-way splitter (SP4A)	5	≤7.2	≥28	≥16
	65	≤7.5	≥30	≥17
	750	≤7.8	≥30	≥17
	1000	≤8.2	≥30	≥17