

TA/SP G-type indoor tap & Splitter

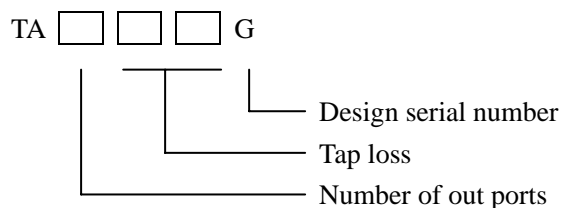
Features

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

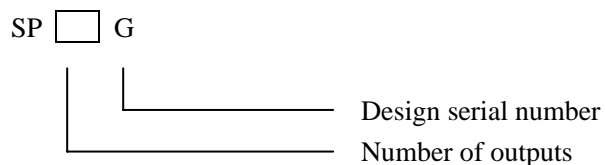


Model Number system

1. Tap



2. Splitter



Specifications

1-way tap

Model				TA108G	TA110G	TA112G	TA114G	TA116G	TA118G
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	≤1.2	≤0.8	≤0.8	≤0.6
	65MHz-750MHz			≤2.6	≤1.4	≤1.2	≤0.8	≤0.7	≤0.7
	750MHz-1000MHz			≤2.8	≤1.8	≤1.2	≤1.0	≤0.8	≤0.7
Reverse isolation (dB)	5MHz-65MHz			≥25					
	65MHz-750MHz			≥27					
	750MHz-1000MHz			≥28					
Return loss (dB)	5MHz-65MHz			≥16					
	65MHz-1000MHz			≥17					

2-way tap

Model				TA208 G	TA210 G	TA212 G	TA214 G	TA216 G	TA218 G	TA220G
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			≥27						
	750MHz-1000MHz			≥27						
Tap-tap Isolation (dB)	5MHz-65MHz			≥25						
	65MHz-750MHz			≥27						
	750MHz-1000MHz			≥27						
Return loss (dB)	5MHz-65MHz			≥16						
	65MHz-1000MHz			≥17						

3-way tap

Model				TA309	TA312	TA315	TA318	TA321	TA324
				G	G	G	G	G	G
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			≥25					
	65MHz-750MHz			≥28					
	750MHz-1000MHz			≥28					
Tap-tap Isolation (dB)	5MHz-65MHz			≥25					
	65MHz-750MHz			≥28					
	750MHz-1000MHz			≥28					
Return loss (dB)	5MHz-65MHz			≥16					
	65MHz-1000MHz			≥17					

4-way tap

Model				TA411	TA414	TA417	TA420	TA423	TA426
				G	G	G	G	G	G
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	≤2.4	≤1.4	≤0.9	≤0.7	≤0.6
	750MHz-1000MHz			≤4.1	≤3.0	≤1.8	≤1.0	≤0.8	≤0.7
Reverse isolation (dB)	5MHz-65MHz			≥28					
	65MHz-750MHz			≥28					
	750MHz-1000MHz			≥28					
Tap-tap Isolation (dB)	5MHz-65MHz			≥28					
	65MHz-750MHz			≥28					
	750MHz-1000MHz			≥28					
Return loss (dB)	5MHz-65MHz			≥16					
	65MHz-1000MHz			≥17					

5-way tap

Model				TA513G	TA516G	TA519G	TA522G	TA525G
Tap loss (dB)	Standard index			13	16	19	22	25
	typical value	5MHz-65MHz	±0.8	12.2	15.5	18.5	21.5	24.5
		65MHz-750MHz	±0.8	12.6	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	≤2.4	≤1.4	≤1.0	≤0.7
	750MHz-1000MHz			≤4.1	≤3.0	≤1.6	≤1.2	≤1.0
Reverse isolation (dB)	5MHz-65MHz			≥28				
	65MHz-750MHz			≥28				
	750MHz-1000MHz			≥28				
Tap-tap Isolation (dB)	5MHz-65MHz			≥28				
	65MHz-750MHz			≥28				
	750MHz-1000MHz			≥28				
Return loss (dB)	5MHz-65MHz			≥16				
	65MHz-1000MHz			≥17				

6-way tap

Model				TA613G	TA616G	TA619G	TA622G	TA625G
Tap loss (dB)	Standard index			13	16	19	22	25
	typical value	5MHz-65MHz	±0.8	12.2	15.5	18.5	21.5	24.5
		65MHz-750MHz	±0.8	12.6	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	≤2.4	≤1.4	≤1.0	≤0.7
	750MHz-1000MHz			≤4.1	≤3.0	≤1.6	≤1.2	≤1.0
Reverse isolation (dB)	5MHz-65MHz			≥28	≥28	≥28	≥28	≥28
	65MHz-750MHz			≥28	≥28	≥28	≥28	≥28
	750MHz-1000MHz			≥28	≥28	≥28	≥28	≥28
Tap-tap Isolation (dB)	5MHz-65MHz			≥28	≥28	≥28	≥28	≥28
	65MHz-750MHz			≥28	≥28	≥28	≥28	≥28
	750MHz-1000MHz			≥28	≥28	≥28	≥28	≥28
Return loss (dB)	5MHz-65MHz			≥16	≥16	≥16	≥16	≥16
	65MHz-1000MHz			≥17	≥17	≥17	≥17	≥17

8-way tap

Model				TA814G	TA817G	TA820G	TA823G	TA826G
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	13.4	17.8	19.9	22.4	25.8
		750MHz-1000MHz	±1.0	15.2	18.2	20.2	23.6	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			≥29				
	750MHz-1000MHz			≥28				
Tap-tap Isolation (dB)	5MHz-65MHz			≥28				
	65MHz-750MHz			≥29				
	750MHz-1000MHz			≥28				
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 (SP2G)	5	≤3.6	≥25	≥16
	65	≤3.8	≥30	≥17
	750	≤3.9	≥30	≥17
	1000	≤4.0	≥30	≥17
3-way splitter (SP3G)	5	≤6.0	≥25	≥16
	65	≤5.8	≥30	≥17
	750	≤6.2	≥30	≥17
	1000	≤6.6	≥30	≥17
4-way splitter (SP4G)	5	≤7.2	≥25	≥16
	65	≤7.5	≥30	≥17
	750	≤7.8	≥30	≥17
	1000	≤8.2	≥30	≥17