



Art.No. 10100047

Standard article

This article is available from stock, barring to unforeseen circumstances

Brilliant-Line ++

TB-4-24++

4-way tap

4-way tap, 24 dB



TB-4-24++ front

	Port	Range	Min.	Typical	Max. Unit	Rem.	Margin	
Frequency Range	-		5		1000 MHz			
Equipment Approval				CE				
Insertion Loss	In -> Out	5 MHz < F < 10 MHz	1,9	2,4	2,9 dB		+/-0,1	
		10 MHz < F < 40 MHz	1,7	2,2	2,7 dB		+/-0,1	
		40 MHz < F < 300 MHz	1,5	1,9	2,3 dB		+/-0,1	
		300 MHz < F < 470 MHz	1,6	2,0	2,4 dB		+/-0,1	
		470 MHz < F < 862 MHz	1,7	2,3	2,9 dB		+/-0,2	
		862 MHz < F < 1000 MHz	1,8	2,6	3,4 dB		+/-0,2	
Tap Loss	In -> Tap	5 MHz < F < 862 MHz	23	24	25 dB		+/-0,5	
		862 MHz < F < 1000 MHz	22,5	24	25,5 dB		+/-0,5	
Return Loss	In	5 MHz < F < 10 MHz	18				-1	
		10 MHz < F < 40 MHz	22				-1	
		40 MHz < F < 862 MHz	22				1	-1
		862 MHz < F < 1000 MHz	14					-1
	Out	5 MHz < F < 10 MHz	18					-1
		10 MHz < F < 40 MHz	22					-1
		40 MHz < F < 862 MHz	22				1	-1
		862 MHz < F < 1000 MHz	14					-1
	Tap	5 MHz < F < 10 MHz	18					-2
		10 MHz < F < 40 MHz	22					-1
		40 MHz < F < 862 MHz	22				1	-1
		862 MHz < F < 1000 MHz	14					-1
Isolation	Out -> Tap	5 MHz < F < 10 MHz	37				-1	
		10 MHz < F < 40 MHz	43				-1	
		40 MHz < F < 862 MHz	43				1	-1
	Tap -> Tap	862 MHz < F < 1000 MHz	36,5					-1
		5 MHz < F < 10 MHz	36					-1
		10 MHz < F < 40 MHz	40					-1
		40 MHz < F < 862 MHz	40				1	-1
		862 MHz < F < 1000 MHz	30					-1
Screening Effectiveness	-	5 MHz < F < 300 MHz	85	95			2	
		300 MHz < F < 470 MHz	80	90			2	
		470 MHz < F < 1000 MHz	75	85			2	
Intermodulation p+q (min)	-	No surge		-122			5	
		25 V surge		-115			4	
		1 KV surge		-115			3	

Remarks:

- F > 40 MHz -1.5 dB/oct
- Transfer Impedance Method according IEC 60728-2(5-30 MHz)
Absorption clamp method according IEC-60728-2 § 4.4 (30-1000 MHz)
- Two carriers (50 & 55MHz), tap to in, @ 120dBµV, after 1 pulse 1KV (IEC 1000-4-5 level 2) at all ports.
- Two carriers (50 & 55MHz), tap to in, @ 120dBµV, after 10 pulses (25V/1,2µS risetime/500µS duration) at all ports.
- Two carriers (50 & 55MHz), tap to in, @ 120dBµV, before surge

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