

JST-02-N 2-way topless splitter 1,8 GHz

with IEC14-Female connectors and low intermodulation



51000133
JST-02-N



Parameter	Frequency [MHz]	JST-02-N
Housing		Zinc alloy die-cast, CuSn Whitebronze plated
Impedance [Ω]		75
Connector		IEC14-Female
Center Pin		Brass with NiSn Plating
Contact Spring		Beryllium Copper with NiSn Plating
Insertion loss, IN – OUT [dB]	5 – 862	3,5 ± 0,5
	862 – 1.006	3,9 ± 0,5
	1.006 – 1.218	4,1 ± 0,8
	1.218 – 1.500	4,7 ± 0,8
	1.500 – 1.800	5,0 ± 1,0
Isolation, OUT – OUT [dB min.]	5 – 12	20
	12 – 40	26
	40 – 1.218	26 ⁽¹⁾
	1.218 – 1.500	17
	1.500 – 1.800	15
Return loss, all ports [dB min.]	5 – 12	13
	12 – 40	20
	40 – 1.800	20 ⁽²⁾
Screening (acc. to EN50083-2)		Class A +10 dB
Surge immunity (acc. to IEC 61000-4-5 level 2)		1 kV (combination wave 1,2/50 μs, with 2 Ω source impedance)
Harmonic distortion ⁽³⁾		
all port before surge		< 2 dBμV
all ports after 10 times 25 VDC surge (500 μs pulse)		< 10 dBμV
all ports after 1 kV surge (1,2/50 μs)		<10 dBμV
Order No.		51000133

⁽¹⁾ At 40 MHz -1,5 dB/Oct.

⁽²⁾ At 40 MHz -1,5 dB/Oct., but min. 145 dB

⁽³⁾ Test setup: test signals applied at each output with 115 dBμV; 2 tone test signals: f1 at 60 MHz, f2 at 65 MHz (acc. to IEC-60728-4)
IM harmonics measured at 2xf1 + f1 + f2 + 2xf2