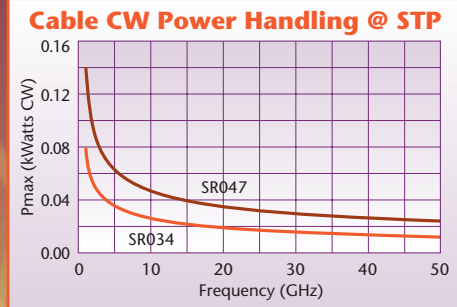


MicroBurst™ Miniature Jumpers For Broadband

Chipset Jumpers • 2.5G/10G/40G Data/Clock/Sync • Phase/Amplitude Match Available



Available Connectors
1.85mm, 2.4mm, 2.92mm, SMA, SMP, SSMP

Micro-Miniature Typical Insertion Loss_{dB} = (Attenuation)(Length) + 2(Connector Loss)

Frequency		Attenuation						Conn. Loss dB	SWR
		Semi-Rigid SR034		Semi-Rigid SR047		Flexible A06			
GHz	Band	dB/ft	dB/m	dB/ft	dB/m	dB/ft	dB/m		
0.512	UHF	0.34	1.13	0.25	0.81	0.27	0.09	0.01	1.04:1
0.900		0.46	1.51	0.33	1.08	0.36	1.19	0.02	1.05:1
1.000		0.49	1.59	0.35	1.14	0.38	1.26	0.02	
1.900	L	0.68	2.21	0.48	1.59	0.53	1.74	0.03	1.10:1
2.000		0.69	2.27	0.50	1.63	0.55	1.79	0.03	
3.000	S	0.85	2.80	0.61	2.01	0.67	2.20	0.04	
4.000	C	0.99	3.25	0.71	2.32	0.78	2.55	0.04	1.15:1
6.000		1.22	4.00	0.87	2.86	0.96	3.14	0.06	
8.000		1.41	4.63	1.01	3.31	1.11	3.64	0.07	1.20:1
10.000	X	1.58	5.18	1.13	3.70	1.25	4.09	0.08	1.25:1
12.400		1.77	5.81	1.26	4.15	1.39	4.57	0.08	
14.000	Ku	1.89	6.21	1.35	4.43	1.48	4.87	0.09	1.30:1
18.000		2.18	7.14	1.55	5.09	1.69	5.55	0.11	
20.000		2.31	7.57	1.65	5.40	1.79	5.87	0.12	
22.000	K	2.44	7.99	1.73	5.69	1.88	6.17	0.13	1.35:1
26.500		2.71	8.87	1.93	6.32	2.08	6.81	0.15	
28.000	Ka	2.79	9.16	1.99	6.52	2.14	7.01	0.16	1.40:1
30.000		2.90	9.52	2.07	6.78	2.22	7.27	0.17	
32.000		3.01	9.88	2.14	7.03	2.30	7.53	0.18	
38.000		3.33	10.91	2.37	7.76	2.52	8.25	0.22	1.45:1
40.000		3.43	11.24	2.44	7.99	2.59	8.48	0.25	
50.000	mm	3.91	12.81	2.77	9.10	2.92	9.56	0.32	1.50:1

Micro-Miniature Electrical Data

	SR034	SR047	A06
Maximum Frequency	50 GHz	50 GHz	18 GHz
Impedance	50 Ω nominal	50 Ω nominal	50 Ω nominal
Propagation Velocity	69% nominal	69% nominal	74% nominal
Time Delay	1.47 ns/ft (4.82 ns/m)	1.47 ns/ft (4.82 ns/m)	1.37 ns/ft (4.40 ns/m)
Capacitance	29.0 pF/ft (95.1 pF/m)	29.0 pF/ft (95.1 pF/m)	32.0 pF/ft (88.2 pF/m)
Shielding Effectiveness	< 85 dB	< 85 dB	< 85 dB

Micro-Miniature Mechanical Data

	SR034	SR047	A06
Outer Conductor Diameter	0.034 in (0.86 mm)	0.047 in (1.19 mm)	0.048 in (1.22 mm)
Dielectric Diameter	0.026 in (0.66 mm)	0.037 in (0.94 mm)	0.034 in (0.86 mm)
Inner Conductor Diameter	0.008 in (0.20 mm)	0.011 in (0.28 mm)	0.011 in (0.28 mm)
Bend Radius	0.050 in (1.27 mm)	0.050 in (1.27 mm)	0.275 in (0.07 mm)
Operating Temperature Range	-85 to 257°F (-65 to +125°C)	-85 to 302°F (-65 to +150°C)	-85 to 392°F (-65 to +200°C)
Weight	0.21 lbs/100 ft (0.31 kg/100 m)	0.38 lbs/100 ft (0.57 kg/100 m)	0.010 lbs/100 ft (0.015 kg/100 m)
Flexibility Rating - High = 5.0	Not Applicable	Not Applicable	4.5

Micro-Miniature Cable Construction

	SR034	SR047	A06
Inner Conductor	Ag-plated Cu-clad Steel	Ag-plated Cu-clad Steel	Ag-plated Cu
Dielectric	Solid PTFE	Solid PTFE	PTFE Tape
Outer Conductor	Sn-plated Cu Tube	Sn-plated Cu Tube	Flat Braid / Round Braid
Outer Jacket	Not Applicable	Not Applicable	FEP - G