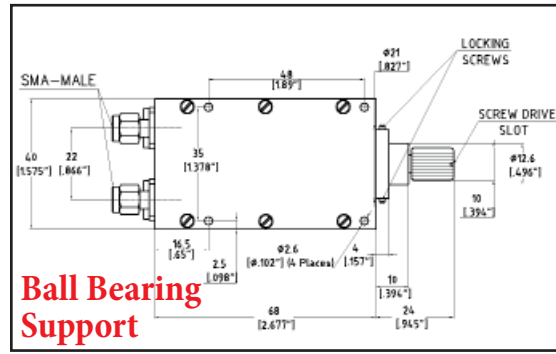


Application: Test Set & System Use:
"Adjust the electrical length many times"

- Ball Bearings adjustment.
- Precision Phase Adjusters, DC - 2.0, 12.0 and 18.0 GHz.
- Small housing, flat pack configuration.
- Housing Finish: Iridited. On special request, painting can be supplied.
- Four mounting locations are provided.
- Impedance of 50 Ohms is maintained over the full adjustment range.
- Positive resettable locking mechanism.
- Smooth continuous phase adjustment.
- Internal Trombone Line, no external physical length change.
- Rugged construction: housing is made from aluminum, connector outer conductors from stainless steel
- Bead captivated center contacts.
- Spring fingers and center contacts are made from beryllium copper, heat treated and gold plated per ASTM-B488, Type III, Code C



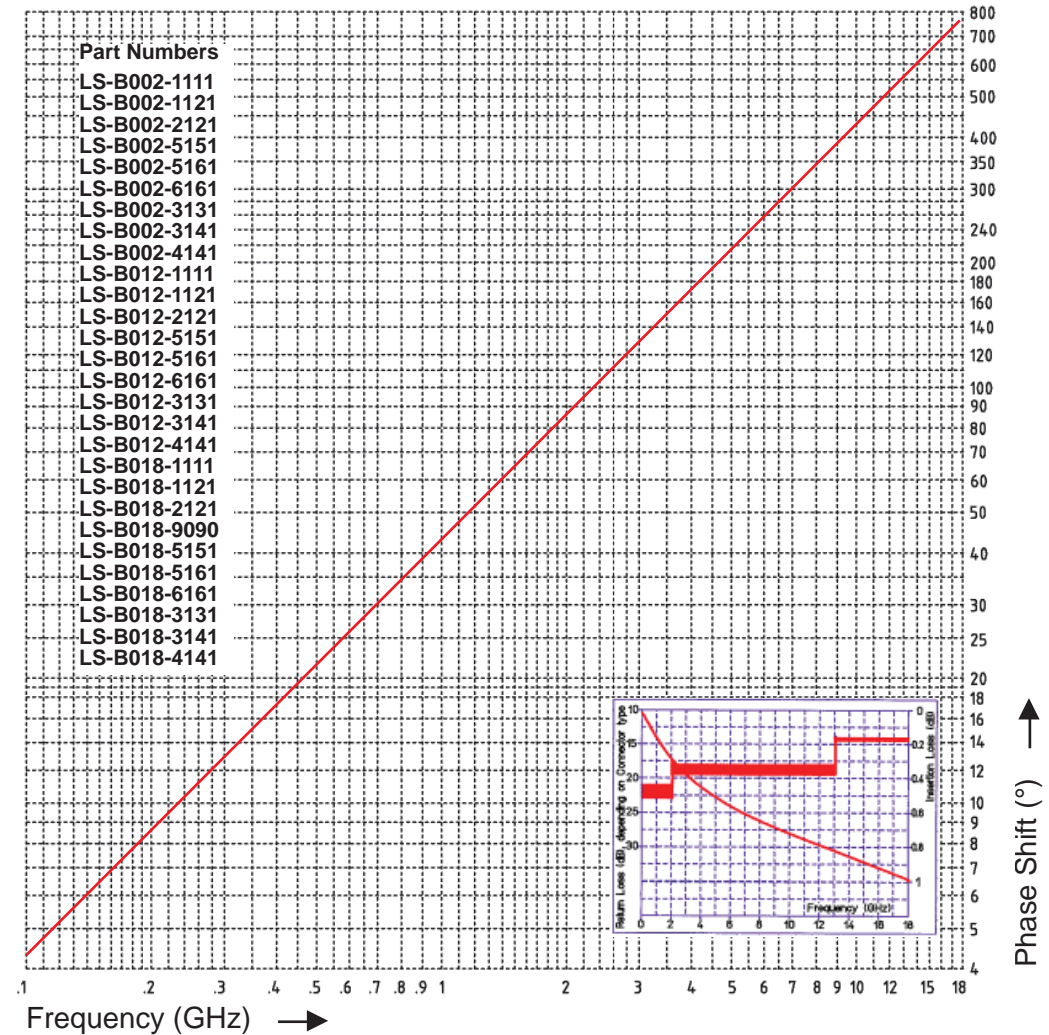
- Different connector configurations available, such as 7mm, SMA, N, and TNC. For other connector configurations, please consult the factory.
- Operating temperature range: -54°C to +115°C.

Part Number	Frequency	VSWR max.	R.F Insertion Loss	Phase Shift	Connectors	Outline Dimensions		
						Length	Width	Height
LS-B002-1111	DC to 2.0 GHz	1.15:1	0.3 dB max @ 2.0 GHz	85° min. @ 2.0 GHz	SMA-M / SMA-M	68 mm 2.677"	40 mm 1.575"	12.7 mm .500"
LS-B002-1121					SMA-M / SMA-F			
LS-B002-2121					SMA-F / SMA-F			
LS-B002-5151	DC to 2.0 GHz	1.20:1	0.3 dB max @ 2.0 GHz	85° min. @ 2.0 GHz	N-M / N-M	68 mm 2.677"	42 mm 1.654"	22.0 mm .866"
LS-B002-5161					N-M / N-F			
LS-B002-6161					N-F / N-F			
LS-B002-3131					TNC-M / TNC-M			
LS-B002-3141					TNC-M / TNC-F			
LS-B002-4141	TNC-F / TNC-F							
LS-B012-1111	DC to 12.0 GHz	1.25:1	0.8 dB max @ 12.0GHz	520° min. @ 12.0GHz	SMA-M / SMA-M	68 mm 2.677"	40 mm 1.575"	12.7 mm .500"
LS-B012-1121					SMA-M / SMA-F			
LS-B012-2121					SMA-F / SMA-F			
LS-B012-5151	DC to 12.0 GHz	1.30:1	0.8 dB max @ 12.0GHz	520° min. @ 12.0GHz	N-M / N-M	68 mm 2.677"	42 mm 1.654"	22.0 mm .866"
LS-B012-5161					N-M / N-F			
LS-B012-6161					N-F / N-F			
LS-B012-3131					TNC-M / TNC-M			
LS-B012-3141					TNC-M / TNC-F			
LS-B012-4141	TNC-F / TNC-F							
LS-B018-1111	DC to 18.0 GHz	1.50:1	1.0 dB max @ 18.0GHz	770° min. @ 18.0GHz	SMA-M / SMA-M	68 mm 2.677"	40 mm 1.575"	12.7 mm .500"
LS-B018-1121					SMA-M / SMA-F			
LS-B018-2121					SMA-F / SMA-F			
LS-B018-9090	DC to 18.0 GHz	1.50:1	1.0 dB max @ 18.0GHz	770° min. @ 18.0GHz	7 mm / 7 mm	68 mm 2.677"	70 mm 2.756"	30 mm 1.181"
LS-B018-5151					N-M / N-M			
LS-B018-5161					N-M / N-F			
LS-B018-6161					N-F / N-F			
LS-B018-3131					TNC-M / TNC-M			
LS-B018-3141	TNC-M / TNC-F							
LS-B018-4141	TNC-F / TNC-F							

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Part Numbers

- LS-B002-1111
- LS-B002-1121
- LS-B002-2121
- LS-B002-5151
- LS-B002-5161
- LS-B002-6161
- LS-B002-3131
- LS-B002-3141
- LS-B002-4141
- LS-B012-1111
- LS-B012-1121
- LS-B012-2121
- LS-B012-5151
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- LS-B018-5151
- LS-B018-5161
- LS-B018-6161
- LS-B018-3131
- LS-B018-3141
- LS-B018-4141



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Part Number	LS-B002 - xxxx	LS-B012 - xxxx	LS-B018 - xxxx
	xxxx: connector configuration, for details please refer to the table on the left		
Frequency Range (GHz)	DC - 2.0	DC - 12.0	DC - 18.0
Min. Phase Shift (°)	85	520	770
Nominal Phase Shift Deg. / GHz / Shaft Turn	1.15	1.15	1.15
Max. number of Turns	37	37	37
Time Delay (psec)	min.	406	406
	max.	516	530