Low Pass Filter, LB wireless

High Power, Low Loss, Harmonic Filter
Reliable Rod and Bead Design

- Designed to suppress harmonics of Radio Base Stations
- Up to 650 Watt Power Rating
- Reliable Rod and Bead Design
- Minimal RF Insertion Loss
- Low PIM Design, RoHS compliant
- N and 7-16 mm DIN connectors

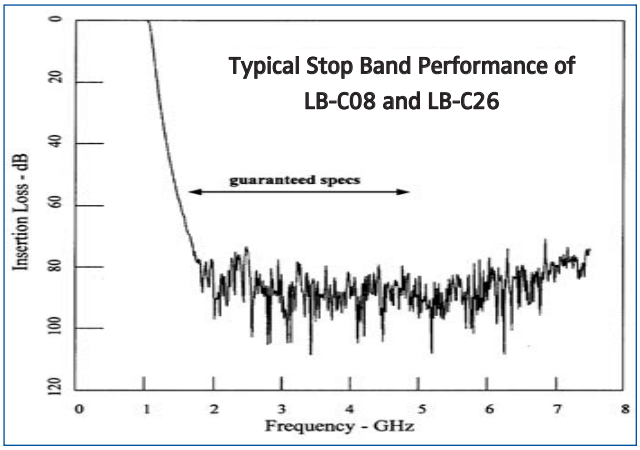
GSM-1800 Band LB-C14

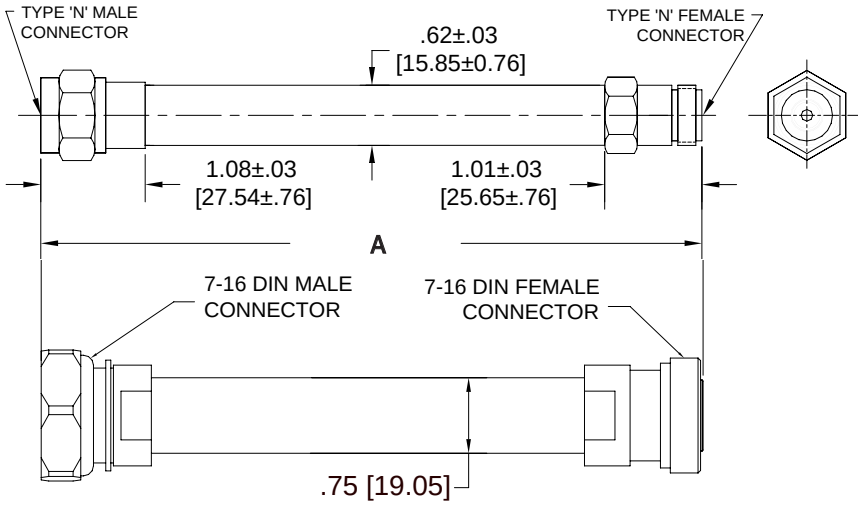
Model	Connectors	Pass Band PB (MHz)	VSWR in PB	Insertion Loss in PB	Stop Band SB (MHz)	Loss in SB	Intermod PIM	Power Rating Avg	Power Rating Peak
LB-C07	N (f-f)	403 - 520	<1.30:1	<0.2 dB	806 - 3,600	>55 dB	<-130 dBc	500W	3kW
LB-C08 LB-C26	N (m-f) 7-16 (m-f)	840 - 960	<1.20:1 <1.25:1	<0.2 dB	1,680 - 4,800	>55 dB	<-130 dBc <-140 dBc	500W 650W	3kW
LB-C14 LB-C28	N (m-f) 7-16 (m-f)	1700 - 2000	<1.20:1 <1.25:1	<0.2 dB	3,400 - 8,000	>55 dB	<-130 dBc <-140 dBc	300W 650W	3kW
LB-C33 LB-C32	N (m-f) 7-16 (m-f)	1920 - 2170	<1.20:1 <1.25:1	<0.2 dB	3,600 - 8,000	>55 dB	<-130 dBc <-140 dBc	300W 650W	3kW

Microlab Rod and Bead Low Pass Filters are designed to suppress the harmonics of the transmitted base station signal. These harmonics are often generated in the final isolator.

For example the LB-C08/LB-C26 design passes the cellular band (840 - 960 MHz) almost without loss, while suppressing all harmonics out to beyond 4,800 MHz by at least 55 dB. When compared to other designs the single piece rod and bead filter has far fewer solder joints, is better supported, and operates cooler with a better VSWR. Housing is passivated aluminum with silver or triplate connectors. (4/09)

Environment: For indoor/outdoor, IP65
Temperature: -35°C to +75°C





Overall Length in (mm)

Model	Gender	Dimension A
N Connectors (Top Outline)		
LB-C07	(f - f)	11.53 (292.1)
LB-C08	(m - f)	6.86 (174.2)
LB-C14	(m - f)	4.63 (117.6)
LB-C33	(m - f)	4.63 (117.6)
7-16 Connectors (Lower Outline)		
LB-C26	(m - f)	7.97 (202.3)
LB-C28	(m - f)	6.53 (165.8)
LB-C32	(m - f)	6.53 (165.8)

Alternate gender combinations available

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