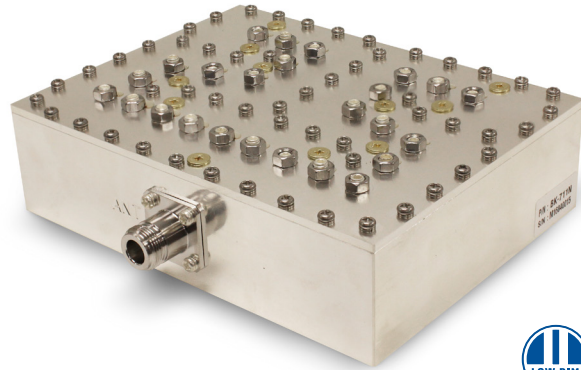


\$ Saver Product Line

- ◆ Integrates 700 MHz and 850 MHz Bands
- ◆ Low PIM Guaranteed
- ◆ 50 dB Input Isolation
- ◆ Up to 100 W CW/Input Avg.
- ◆ Minimal RF Insertion Loss & Ripple
- ◆ Rugged, High Reliability
- ◆ RoHS compliant



Model Number	Connector Type	Max Power per Input/Peak	Weight, nom. lb. (kg)
BK-711N	N(f)	100W/3kW	2.6 (1.2)
BK-711D*	7-16(f)	100W/3kW	2.6 (1.2)
BK-711E*	4.3-10(f)	100W/3kW	2.6 (1.2)

*Models in development

Microlab BK-711 is a Diplexer which allow combination and separation of the signals in the 700 MHz band 698 - 787 MHz with the 850 MHz band 817 - 896 MHz. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The Diplexer has been designed using passive, proprietary techniques which minimizes cost and size. At the same time it ensures minimal loss and very high reliability at input powers up to 100W per input.

Frequency Bands:

Port 1 - Port 3: 698 - 787 MHz

Port 2 - Port 3: 817 - 896 MHz

Passband Ripple: <0.4 dB

P1:P2 Isolation: >60 dB in band

VSWR, all ports: <1.22:1

Passband Loss: <0.2 dB

Intermod. Distortion: <-155 dBc (2 x +43dBm tones)

DC Path: Center Pins DC Short to Ground

Impedance: 50Ω nominal

Environment: -45°C to +65°C

Finish: RoHS Compliant

Connectors: N(f) triplate

Housing: Silver Plating

Outline BK-711D
