

\$ Saver Product Line

- ◆ Integrates (700+850), PCS & AWS Bands
- ◆ 50 dB Input Isolation
- ◆ 150 W/port Avg. Power
- ◆ Minimal RF Insertion Loss & Ripple
- ◆ Constructed for Outdoor Use, IP67
- ◆ Rugged, High Reliability,
- ◆ RoHS compliant, Long neck 7-16 DIN



Microlab Model BK-34D is a 3 Channel Multiplexer which allows combination and separation of the signals in the LTE-700 and GSM-850 bands (Channel 1), the 1900 PCS band (Channel 2), and the North American AWS Band (Channel 3).

To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The Multiplexer 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 150W per input.

This configuration permits DC pass through all ports. (09-14)

Input Channel 1:	698 - 787, 824-894 MHz
Input Channel 2:	1850 - 1990 MHz
Input Channel 3:	1710 - 1755 & 2110 - 2155 MHz
Power Rating:	150 W CW all inputs max., 3 kW pk
Passband Loss:	0.3 dB typ.
Total Group Delay:	20 ns max.
Return Loss:	22 dB typ., >20 dB all ports
Isolation:	>50 dB
PIM (Intermod):	<-150 dBc (+43dBm x2) measured in band
Impedance:	50Ω nominal
DC Pass:	All ports
Environment:	-40°C to +65°C, IP67
Finish: Connectors:	7-16 DIN(f)long neck, Triplate
Housing:	Grey Epoxy Paint
Weight, nominal:	7.0 lbs (3.2 kg)

