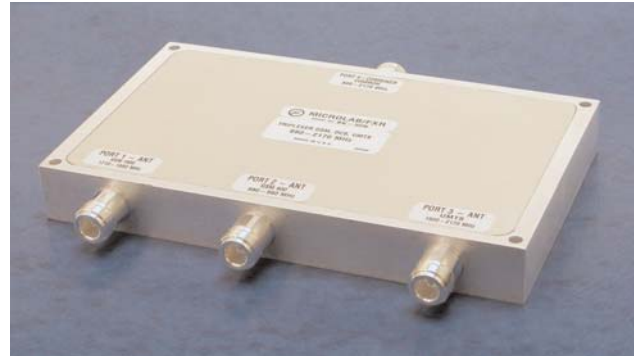


- ◆ Combiner for Feeder Sharing
- ◆ 30 dB Input Isolation
- ◆ Minimal RF Insertion Loss
- ◆ 10 W/port Avg Power Rating
- ◆ Rugged, High Reliability
- ◆ SMA or N Connectors
- ◆ Low Passive IM, PIM
- ◆ Low Cost, RoHS Design



Microlab Model BK-30 series is a three input Triplexer which allows combination and separation of the signals in each wireless band. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The Triplexer has been designed using passive, proprietary techniques which minimizes cost and size. Through holes are provided for simple mounting to a surface or cable tray using SMA or N connectors. (06/11)

Model No.	Connectors	Conn Finish
BK-30F	SMA female	Gold Plate
BK-30N	N female	Trimetal

Input Isolation:	>30 dB in band
Impedance:	50Ω nominal
Intermod. (PIM):	<-130 dBc (with 2 x +40dBm)
Environment:	0 to +50°C, IP64, (IP67 to order)
Housing:	Passivated Aluminum
Weight, nom:	32 oz (0.90 kg)

Frequency, MHz	Band	Port	Passband Loss	Input Return Loss	Power/Input	DC Path
820* to 960 MHz	GSM-900	2	1.3 dB, typ <1 dB	>12 dB	10W avg., 3 kW pk	1A max.
1,710 to 1,880 MHz	GSM-1800	1	1.6 dB, typ <1.3 dB	>12 dB	10W avg., 3 kW pk	Isolated
1,920 to 2,170 MHz	UMTS	3	1.6 dB, typ <1.3 dB	>12 dB	10W avg., 3 kW pk	Isolated

*Port 2 option: 700 - 960 MHz with lower input VSWR

