

DIRECTION WIDTH BAND COUPLER

MODEL:DCN150 series

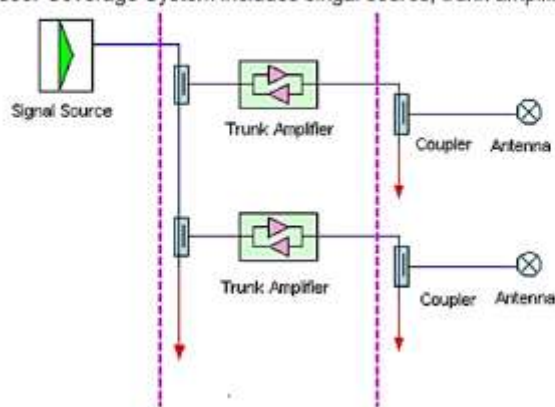


The DCN series couplers are designed to meet the special requirements of the wireless market. It can separate RF power signals from BTS or antenna cables. This requires one output port to be terminated into 50 ohms and results in 6~40dB loss per signal. Where two similar feeds are required, such as indoor signal power distribution applications, two outputs can be used, eliminating the need for termination, and all outputs are IP54 compliant. The ultra-wide frequency range allows use with multi-band antennas, leaky cable systems and wireless base stations.

ITEM	SPECIFICATIONS				
MODEL	DCN150-6N	DCN150-10N	DCN150-20N	DCN150-30N	DCN150-40N
Insertion Loss	≤ 1.6	≤ 1.4	≤ 1.2	≤ 0.8	≤ 0.6
Coupling Loss	$6 \pm 0.6\text{dB}$	$10 \pm 0.6\text{dB}$	$20 \pm 0.6\text{dB}$	$30 \pm 0.6\text{dB}$	$40 \pm 1\text{dB}$
Isolations	$\geq 26\text{dB}$	$\geq 30\text{dB}$	$\geq 35\text{dB}$	$\geq 40\text{dB}$	$\geq 45\text{dB}$
Frequency range	136MHz ~ 174MHz				
VSWR – operation band	$\leq 1.7 : 1$				
Impedance	50 Ω				
Power	50W				
Connector type	N-K				
Operations Temperature	$-10 \sim +60^{\circ}\text{C}$				
IP	54				
Dimension $\pm 5\%$	146*37*19mm-尺寸僅供參考 實際尺寸會因加工及特殊要求而有誤差, 以最終版本為準.				

System Diagram

Indoor Coverage System includes signal source, trunk amplifier and accessories.



- ◆ VHF Band Coupler
- ◆ 50Watt Maximum Power Rating
- ◆ High Isolation
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ Low Passive Inter-modulation (PIM)
- ◆ Environment IP54
- ◆ N Female Connector