



N+1 Adjacent Channel Combiner

VHF BAND III COMBINER

TYPICAL SPECIFICATIONS

Channel Spacing	N+1 Adjacent
VSWR	DTV <1.08:1 @ +2.69MHz NTSC <1.08:1 over passband
DTV Insertion Loss	< .35dB @ Fc < .75dB @ Fc +2.69MHz < 2.0dB @ Fc +3.0MHz
NTSC Insertion Loss	< .20dB @ Fv < .75dB @ Fa < .40dB @ Fa-100kHz < 2.0dB @ Fa+100kHz
DTV Group Delay	<450ns over passband
NTSC Group Delay	<400ns from Fv to +4.18MHz <900ns Fa to + 100kHz (variation)
Isolation, DTV to NTSC	> 30dB Fv -.75 to Fv +4.75MHz
Isolation, NTSC to DTV	> 42dB@ Fv > 32dB@ Fv -.50 to Fv +4.18MHz > 32dB@ Fa +100kHz

