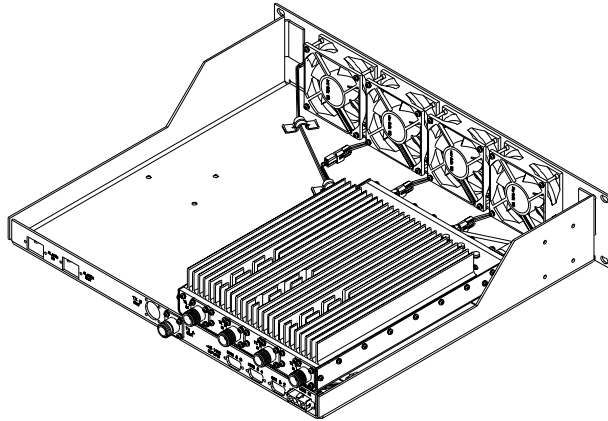
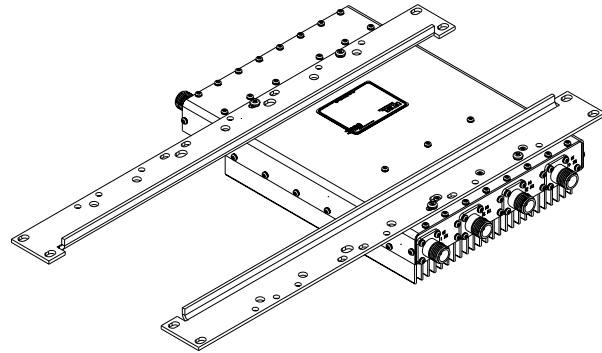


DB4398-411 / DB4398-412

Trunking Hybrid Combiner
851-869 MHz



DB4398-411NN



DB4398-411BN

Dual-junction isolators feed a Wilkinson combiner followed by a harmonic filter to provide an integrated, single or dual, 4-port hybrid combiner. For in-rack mounting, fans provide redundant, forced-air cooling from -48VDC or +12VDC. For maximum space savings, a bracket-mounted version is available for the rear of the cabinet using convection cooling.

COMBINER

ELECTRICAL DATA		MECHANICAL DATA	
Model Number(s) (Tray with Fans)	DB4398-411NN (Single, -48 VDC)	Mounting	19" Rack, Tray (Horiz.) or Bracket (Vert.) Mount
	DB4398-412NN (Dual, -48 VDC)	Temp. Range	-30° to +50° C
	DB4398-411PN (Single, +12 VDC)	Connectors	RF: Type N-Female DC: 4 Pin Mate-N-Lok
	DB4398-412PN (Dual, +12 VDC)	Finish	Tray: Black powder coat Modules: Clear Alodine
Model Number(s) (Bracket Mounted)	DB4398-411BN (Single) DB4398-412BN (Dual)	Dimensions (W x H x D)	Cabinet: 19" x 1.75" x 16.5" (48 x 4.5 x 42 cm) Bracket: 19" x 2.7" x 12" (48 x 5.6 x 30 cm)
Application	Single or dual 4-port hybrid combiner for 800 MHz Trunking Transmitters.	Weight	DB4398-411PN/NN: 11.2 lbs. (5.1 kg) DB4398-412PN/NN: 17.7 lbs. (8.0 kg) DB4398-411BN/NN: 6.7 lbs. (3.0 kg) DB4398-412BN/NN: 13.2 lbs. (6.0 kg)
Frequency Range	851-869 MHz	Specifications are for reference only. 099219-001-A 8/99	
Max. Input Power	70 Watts (avg) / 350 Watts (peak)		
Insertion Loss (Max)	7.0 dB		
Isolation (Tx to Tx)	65 dB		
Isolation (Ant to Tx)	55 dB		
Input Return Loss	19 dB		
3rd Order IM (Max)	-85 dBc @ 2x 70 Watts input		
2nd Harmonic Attn. (Max)	55 dB		
2nd Harmonic Output (Max)	-70 dBc @ 70 Watts input		
DC Input (Max)	-48 VDC @ 0.4 Amps +12 VDC @ 1.2 Amps		



DECIBEL PRODUCTS
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