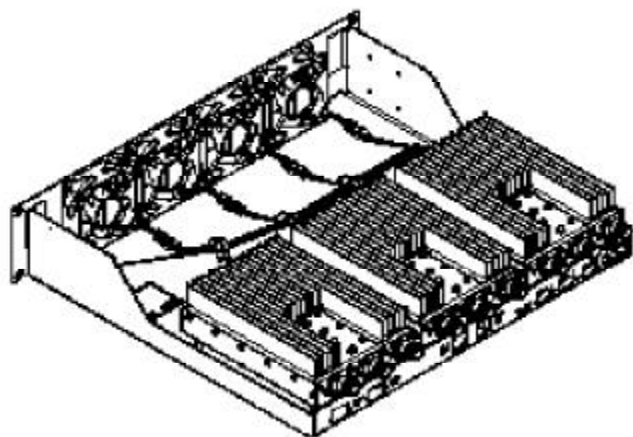
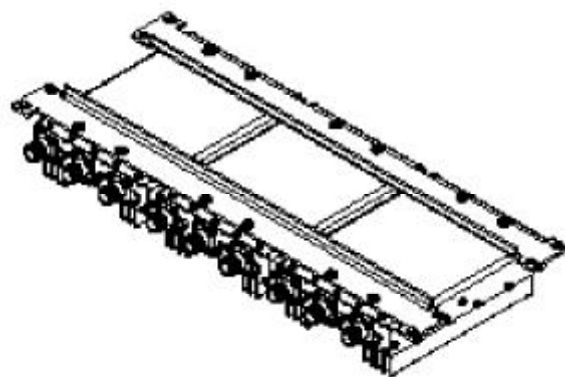


DB4398-213

Triple, 2-into-1, Trunking Hybrid Combiner
851-869 MHz



DB4398-213PN



DB4398-213BN

Dual-junction isolators feed a Wilkinson combiner. They are followed by a harmonic filter to provide three integrated, single, 2-port hybrid combiners. For maximum space savings, a bracket-mounted version is available for the rear of the cabinet using convection cooling.

For in-rack mounting, fans provide redundant, forced-air cooling from -48 VDC or +12VDC.

COMBINER

ELECTRICAL DATA		MECHANICAL DATA	
Model Number(s) (Tray w/ Fans)	DB4398-213NN (Triple, -48 VDC) DB4398-213PN (Triple, +12 VDC)	Mounting	19" Rack, Tray (Horiz.) or Brackets (Vert.) Mount
Model Number(s) (Bracket Mounted)	DB4398-213BN (Triple)	Temp. Range	-30° to +50° C
Application	Triple 2-port hybrid combiner for 800 MHz Trunking Transmitters.	Connectors	RF: Type N-Female DC: 4 Pin Mate-N-Lok
Frequency Range	851-869 MHz	Finish	Tray: Black powder coat Combiners: Clear Alodine
Max. Input Power	70 Watts (avg) / 350 Watts (peak)	Dimensions (W x H x D)	Rack Mount Unit: 19" x 3.5" x 16.5" (48 x 8.9 x 42 cm) Bracket Mount Unit: 19" x 2.7" x 8.3" (48 x 6.9 x 21 cm)
Insertion Loss (Max)	3.8 dB	Weight	DB4398-213PN/NN: 13.5 lbs. (6.1 kg) DB4398-213BN/NN: 9.0 lbs. (4.1 kg)
Isolation (Tx to Tx)	65 dB	Specifications are for reference only. 099219-004-C 8/99	
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		
Fan DC Input (Max)	-48 VDC @ 0.4 Amps +12 VDC @ 1.2 Amps		



DECIBEL PRODUCTS

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