



TURNING TECHNOLOGY INTO SOLUTIONS

# UHF High Power Cavity combiner 410-430 MHz Model No: CC-U-410430

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## Features:

- High Power handling - 50 Watts CW
- Quality material selection and advanced metal engineering ensure superb performance.
- 50 dB rejection uplink to downlink
- Low PIM ensures minimal interference
- Low passband ripple.
- IP65 Option for direct installation in extremely high humidity environments.

## Introduction

The EMTS Telecom Services Ltd. High Power Cavity Combiner designed for single and multi-channel applications in the 410 to 430MHz frequency range. It's high power cavity type device with fine milled aluminum alloy cavity housing, quality material selection and advanced metal engineering in the unit ensures super performance of wideband, high directivity, low IMD, low pass band ripple, good match and low insertion loss.

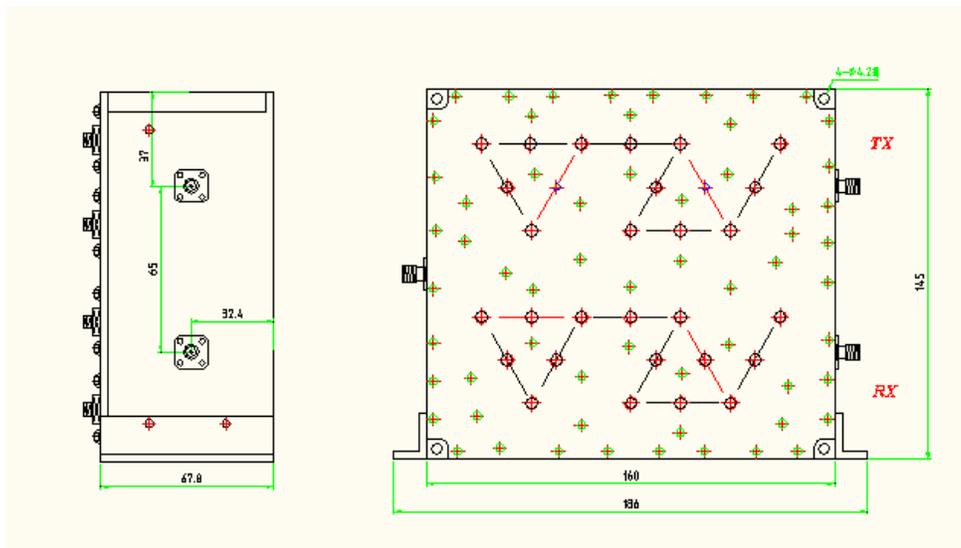
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**EMTS Telecom Services Ltd.** offers a comprehensive portfolio of enhanced coverage solutions for the Wireless Networks, Based on advanced technologies. **EMTS** proven, indoor and outdoor solutions solve a wide range of network challenges including interference and oscillation problems, challenging coverage holes, rapid response deployment and inadequate in-building coverage. Regardless of the technology or frequency, **EMTS** can provide customized coverage solutions that address any combination of unique and complex network needs for the Wireless Networks.



## Technical Specifications:

Electrical Specifications		
Input Ports	RX	TX
	410-420MHz (2 Mhz Factory set) or customized	420-430MHz (2 MHz factory set) or customized
Insertion Loss,dB	≤1.8	≤1.8
Passband Ripple,dB	≤1.5	≤1.5
Isolation(dB)	≥75	
VSWR	≤1.4:1	
Nominal Impedance,Ohm	50	
Maximum Input Power,W	50	
Temperature Range,°C	-20 to +55	
Relative Humidity,%	5 to 95 (Non condensing)	
Mechanical Specifications		
Connectors	N-Female	
Color	Black baking finish	



### About EMTS Telecom Services Ltd.:

EMTS is a leading supplier of high-quality RF coverage solutions designed to maximize wireless network coverage in difficult RF environments and complex settings. The company specializes in extending RF radio coverage to rural areas, office buildings, subways, tunnels and shadowed areas. The EMTS coverage solution supports all major mobile technologies and standards of wireless Networks.

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