



TURNING TECHNOLOGY INTO SOLUTIONS

High Selectivity - High Power UMTS 2100MHz Band Pass Filter Model Number: BPF-UMTS2100-70H

Features & Benefits

- **Advanced Cavity Design**
- **Full band, receive only or block selective types**
- **High Isolation**
- **Very good VSWR performance**
- **Excellent PIM performance**
- **Compact design with Extremely low insertion loss**
- **Easy installation supporting both LTE and WCDMA technologies**
- **Exceptional reliability and environmental protection**

Introduction

The EMTS Telecom Services Ltd. band pass filter model BPF-UMTS2100-70H is a high performance high power filter that allows the use of the BTS in dense RF area where RF interference is very common. The use of high selectivity filters also guarantees high isolation level between the operators band at the 2100MHz band ensuring an interference-free environment for any technology deployed.

The EMTS cavity filter design provides a very low insertion loss while keeping the product extremely compact and lightweight. Return Loss of min 20dB makes the introduction of the device transparent to the BTS. Filters and Diplexers are unquestionably EMTS score product line with success of designed features as high selectivity, high channel to channel isolation and extremely low insertion loss.

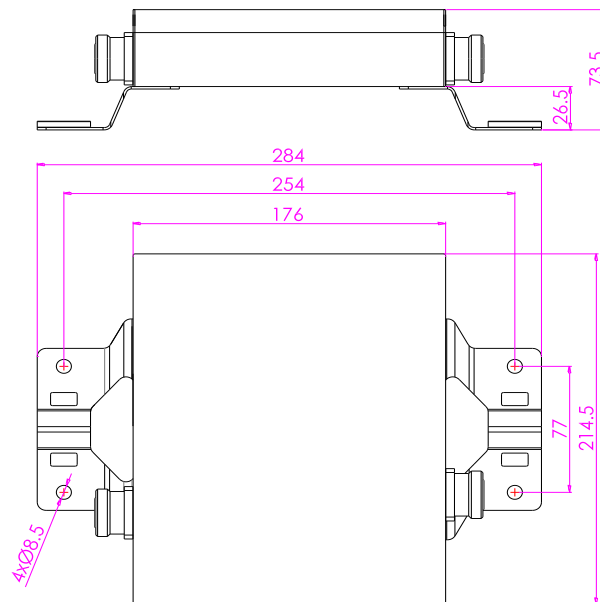


EMTS Telecom Services offers a comprehensive portfolio of enhanced coverage solutions for the Wireless Networks. Based on advanced technologies, EMTS proven indoor and outdoor solutions solve a wide range of network challenges including interference and oscillation problems, challenging coverage holes, 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

Frequency Range	RX	TX
	1920-1979 MHz,	2110-2170 MHz
Insertion Loss	<1.2 dB	<1.0 dB
Stop Band Attenuation	40dB@Min. (1985-1990MHz) 50dB@Min. (1990-2000MHz)	
VSWR	1.3:1dB Max.	
Impedance	50Ω	
Input Power	400W Max.	
Intermodulation Products	-160dBc Min. (3th order, with 2x20w)	
Temperature Range	-40°C to +55°C	
Connector	Port1: 7-16(Female) / Port2: 7-16(Female)	
Application	Outdoor	
Special Features	Built-in DC stop	
Mounting	With 4 screws & Mast mounting: with clamp	
Dimensions (w x d x h)	176*214.5*47 (mm)	
Finish	Ivory	
Weight	3Kg Max.	

Outline Drawing:



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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