

Diplexer

CM-BK2-ID4M

Features and Product Description

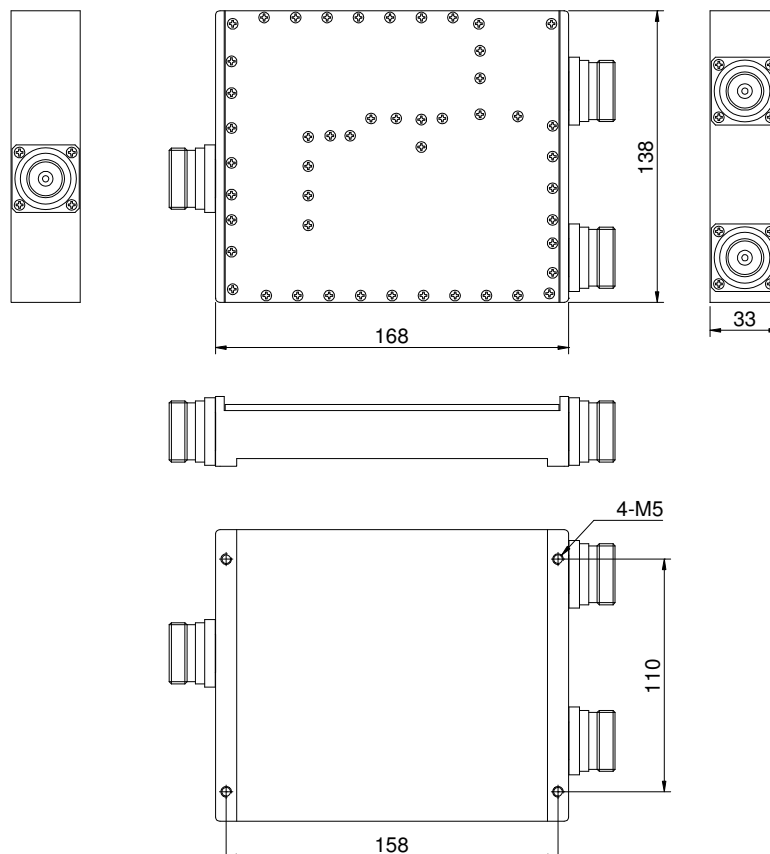
- Compact and cost effective solutions for combining two different input frequency bands into one common output.
- Combines GSM/CDMA and DCS/WCDMA bands.
- Low loss – maximizes system performance.
- High isolation – minimizes interference.
- Fast and easy installation.



Technical Specification

Electrical			
Frequency Range	MHz	806 - 960	1710 - 2170
Bandwidth	MHz	154	460
Isolation between Bands	dB	$\geq 65@1710\text{MHz}-2170\text{MHz}$	$\geq 60@806\text{MHz}-960\text{MHz}$
Input Power	W	≤ 100	
Insertion Loss	dB	≤ 0.3	
Return Loss	dB	≥ 20	
3rd Order Intermodulation	dBc	$\leq -155 @2 \times 43\text{dBm}$	
Impedance	Ω	50	
Mechanical			
Dimension (L x W x H)	mm	168 x 138 x 33	
Weight	kg	TBD	
Material and Color		Aluminum, Grey	
Connector Type		7/16 DIN-Female	
Operational Temperature	$^{\circ}\text{C}$	-40 to +85	
Operational Humidity	%	< 95	
Environmental Class		Indoor	

Outline Drawing



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