

High Power Cavity Diplexer

Model No: MMC-DIP-1030-1090A

❖ Features

- High Reliability
- Frequency range Tx : 1030±15MHz & Rx : 1090±15MHz
- Low Insertion Loss, High Attenuation & High Power Handling
- Ruggedized, Small Size & Low Weight Design

❖ Product Description : Mesa Microwave MMC-DIP-1030-1090

: High Power Cavity Diplexer having Low Insertion loss, high attenuations, best performance in high power transmission offers good VSWR. Suitable for ATC (Air Traffic Control) and TCAS (Traffic Collision Avoidance System) applications.

❖ Specifications

Parameter	Unit	Transmitter (Tx)	Receiver (Rx)
Frequency Range	MHz	1030±12	1090±12
Insertion Loss	dB	1.5 Max	1.5 Max
Pass band Ripple	dB	1.0Max	1.0Max
VSWR	-	1.5:1	1.5:1
Attenuation	dB	60	60
Forward Coupling	dB	30±2	30±2
Reverse Coupling	dB	30±1	-
Impedance	Ω	50	
Power handling	KW	5 Max@1%Duty Cycle	
Operating Temperature	°C	-20 To +70	
Connectors	-	Common Port N/SMA Female @ Tx & Rx	
Finish	-	Black Powder Coating	
Size	mm	114.5x82.5x51	

High Power Cavity Diplexer

Model No: MMC-DIP-1030-1090B

❖ Features

- High Reliability
- Frequency range Tx : 1030±15MHz & Rx : 1090±15MHz
- Low Insertion Loss, High Attenuation & High Power Handling
- Ruggedized, Small Size & Low Weight Design

❖ Product Description

High Power Cavity Diplexer having Low Insertion loss, high attenuations, best performance in high power transmission offers good VSWR. Suitable for ATC (Air Traffic Control) and TCAS (Traffic Collision Avoidance System) applications.

❖ Specifications

Parameter	Unit	Transmitter (Tx)	Receiver (Rx)
Frequency Range	MHz	1030±12	1090±12
Insertion Loss	dB	1.5 Max	1.5 Max
Pass band Ripple	dB	1.0Max	1.0Max
VSWR	-	1.5:1	1.5:1
Attenuation	dB	60	60
Forward Coupling	dB	30±2	30±2
Reverse Coupling	dB	30±1	-
Impedance	Ω	50	
Power handling	KW	5 Max@1%Duty Cycle	
Operating Temperature	°C	-20 To +70	
Connectors	-	Common Port N/SMA Female @ Tx & Rx	
Finish	-	Black Powder Coating	
Size	mm	92.5x82.5x41	