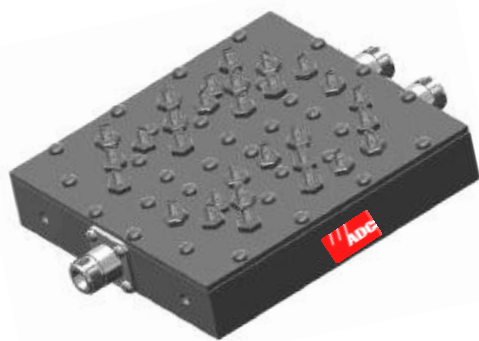


# CAVITY FILTERS

Low loss, Low PIM, High Isolation, High-Q

ADC Krone offers cavity type, low loss, high-Q , high isolation and low PIM Cavity Filters in the form of 'Diplexers' and 'Triplexers' with various design configurations covering CDMA, GSM900, GSM1800 and 3G/UMTS communication bands.



**DIPLEXER**



**TRIPLEXER**

## Features:

- Low loss and High-Q
- Low VSWR and High Isolation
- Low PIM and rugged design
- Average Power rating of 100Watts.
- Indoor/Outdoor applications.

## Applications:

- In-Building Solutions (IBS).
- Antenna line sharing.

SPEC SHEET



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## Specifications

Filter Type	DIPLEXER	TRIPLEXER
Frequency range	806-960 MHz 1710-2170 MHz	890-960 MHz 1710-1880 MHz 1920-2170 MHz
Insertion loss (dB)	0.25dB (806-960 MHz) 0.35dB (1710-2170 MHz)	0.25dB (890-960 MHz) 0.35dB (1710-1880 MHz) 0.35dB (1920-2170 MHz)
VSWR	1.25:1	1.25:1
Isolation (dB)	70 (Min.)	70 (Min.)
PIM (3rd Order 2x43dBm)	150 dBc	150 dBc
Impedance (Ohms)	50	50
Average Power (W)	200	200
Connectors	N-F	N-F
Temperature (°C)	-20 to +70	-20 to +70
IP rating	IP65	IP65

SPEC SHEET

### Ordering Information

Description	Product No.
1. Diplexer (CDMA+GSM900/GSM1800+UMTS)	ADC-DPX-8831940-N
2. Triplexer (GSM900/GSM1800/UMTS)	ADC-TPX-891719-N
NOTE: 1. DC bypass available on select models; contact ADC Krone for further assistance. 2. Other combinations and models available upon request.	



KRONE



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