

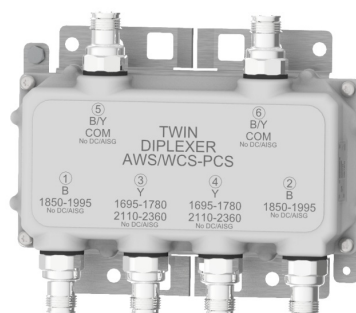
DBC0128F1V1-1

TWIN DIPLEXER AWS/WCS-PCS NO DC

Kaelus world proven outdoor solutions provide strong RF performance coupled with rugged features. The DBC0128 dual band combiner combines the AWS/WCS band with PCS. The DBC0128 can be used at either the BTS or antenna end of the feeder.

FEATURES

- Designed for multi-band, co-located sites
- Suitable for outdoor and indoor applications
- UMTS & LTE ready
- Wall or mast mounting



TECHNICAL SPECIFICATIONS

BAND NAME	AWS/WCS	PCS
Passband	1695-1780MHz, 2110-2360MHz	1850-1995MHz
Insertion loss	0.2dB typical, < 0.3dB maximum	0.25dB typical, < 0.38dB maximum
Return loss	> 20dB	> 20dB
Maximum input power	100W (average) / 1kW (PEP)	100W (average) / 1kW (PEP)
Intermodulation products	-160dBc minimum at 2 x 43dBm TX Carrier	-160dBc minimum at 2 x 43dBm TX Carrier
Isolation PCS	> 40dB	N/A
Isolation AWS/WCS	N/A	> 40dB

ENVIRONMENTAL

For further details of environmental compliance, please contact Kaelus.

Temperature range	-40°C to +65°C -40°F to +149°F
Ingress protection	IP67
Lightning protection	5kA maximum (8/20us)
Compliance	ETS 300 019 1-4 Class 4.1E (OPERATIONAL) ETS 300 019 1-1 Class 1.2 (STORAGE)

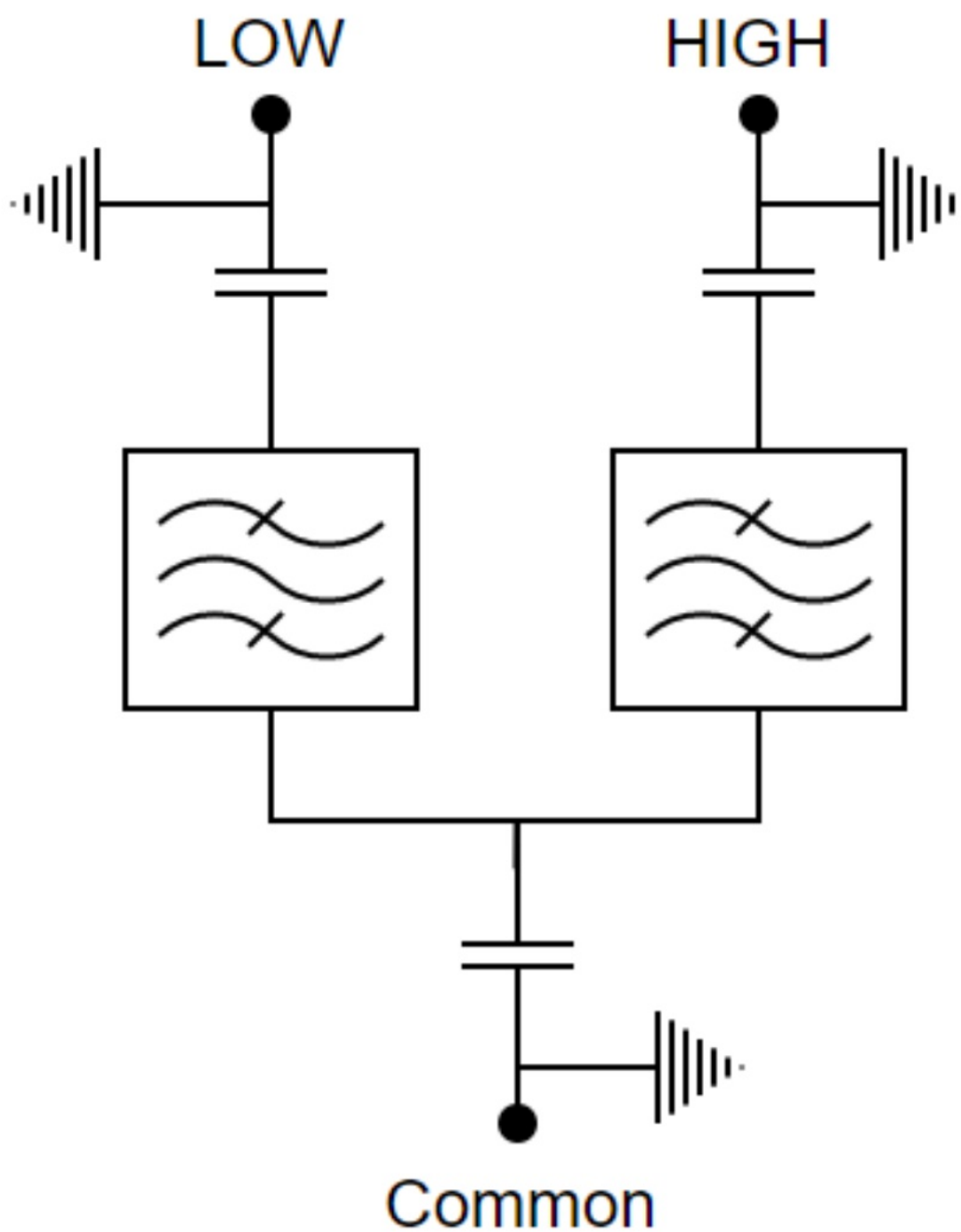
MECHANICAL

Dimensions H x D x W	221 x 107 x 42mm 8.7 x 4.2 x 1.6in
Weight	2.15kg 4.73lbs
Finish	Painted, NCS 1502-R
Connectors	4.3-10 (F) x 6
Mounting	Pole/wall bracket supplied with two metal clamps for 45-178 mm diameter poles

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS	DC/AISG CONFIGURATION
DBC0128F1V1-1	TWIN 2 in / 4 out	FIXED DC	4.3-10 (F)	NO DC

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

