

DBC0062F2V51-1

1800-2100/2300-2600 DUAL BAND COMBINER

Kaelus world-proven outdoor solutions provide strong RF performance coupled with rugged operation. The DBC0062 combines various technologies onto a single feeder and provided the following features:

FEATURES

- Enables feeder sharing of various technologies
- Field configurable DC switch
- Low insertion loss and high isolation
- Low passive IM performance



TECHNICAL SPECIFICATIONS

BAND NAME	1800-2100 CHANNEL	2300-2600 CHANNEL
Passband	1710 - 2170MHz	2302 - 2690MHz
Insertion loss	0.15dB typical	0.15dB typical
Return loss	18dB minimum	18dB minimum
Maximum input power	200W (average) / 2kW (PEP)	200W (average) / 2kW (PEP)
Attenuation:	50dB minimum	

ELECTRICAL

Impedance	50Ohms
Intermodulation products	-153dBc maximum all ports with 2 x 20W carriers

DC / AISG

A field selectable DC/AISG path is achieved via mechanical links on a IEC60130-9, 8-pin female connector (see electrical block diagram).

Passband	0 - 3MHz
Insertion loss, single DC/AISG pass	1dB maximum
Return loss, single DC/AISG pass	12dB minimum
Insertion loss, two DC/AISG pass	4.5dB typical
Return loss, two DC/AISG pass	9dB typical
Input voltage range	±31V
DC current rating	2A continuous, 4A peak
Compliance	AISG 1.1/2.0

ENVIRONMENTAL

For further details of environmental compliance, please contact Kaelus.

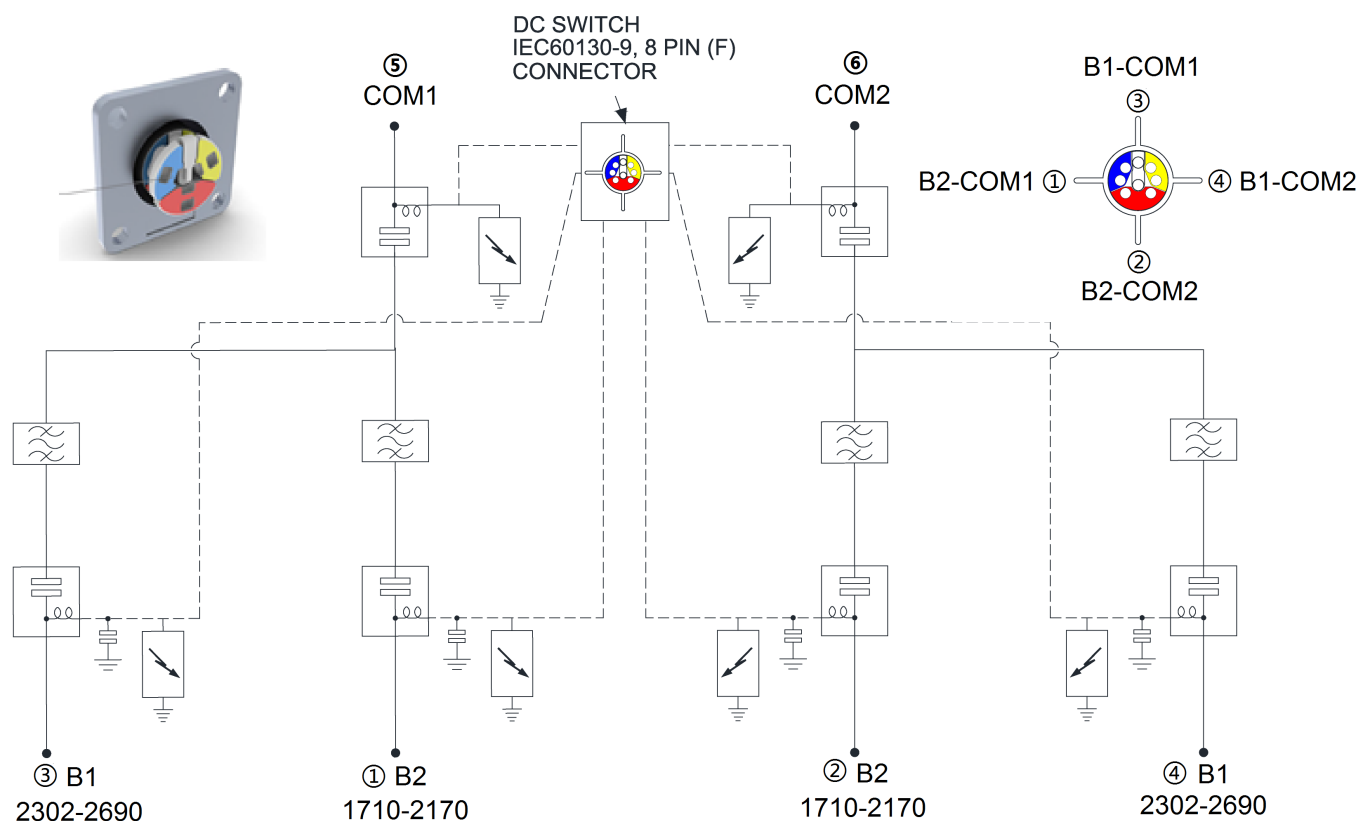
Temperature range	-20°C to +65°C -4°F to +149°F
Ingress protection	IP67
Lightning protection	RF: ±5kA maximum (8/20us)
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1, RoHS

MECHANICAL	
Dimensions H x D x W	246 x 223 x 66mm 9.7 x 8.8 x 2.6in
Weight	3kg 6.6lbs
Finish	Painted, light grey (RAL7035)
Connectors	DIN 7-16 (F) x 6 long neck
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
DBC0062F2V51-1	TWIN, 2 in / 4 out	DC SWITCH	DIN 7-16 (F)	DC to ALL or NON

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

