

KA-6038

QUAD 1400MHZ INTERFERENCE MITIGATION FILTER

The KA-6038 is ideal for L-band networks for the UK market. The KA-6038 provides out of band rejection of the 1400 band while passing 1452-1492MHz. Capable of being used in an outdoor environment the KA-6038 contains four identical filters, suitable for 0x2 or 0x4 MIMO configuration, offering excellent insertion loss, and rejection.



FEATURES

- Rejection of MoD and PTP spectrum
- Passes 1452-1492MHz
- Low insertion loss
- Outdoor and indoor configurations
- Quad unit or dual unit

TECHNICAL SPECIFICATIONS

BAND NAME	L-BAND
Passband	1452 - 1492MHz
Insertion loss	0.65dB typical, 2.5dB maximum
Return loss	18dB minimum
Rejection	29dB minimum @ 1427 - 1449MHz 66.5dB @ 1498.5-1518MHz
ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-140dBc maximum with 2x20W (IM3)
Maximum input power (Per Port)	150W
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, Outdoor unit
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019-1-4, RoHS
MECHANICAL	
Dimensions H x D x W (twin unit)	270 x58 x165 mm 10.6 x 2.3 x 6.5 in (Excluding brackets and connectors)
Dimensions H x D x W (quad unit)	270 x110 x165 mm 10.6 x 4.3 x 6.5 in (Excluding brackets and connectors)
Weight	4.0 kg 8.8 lbs (dual) 7.8 kg 17.2 lbs (quad)
Finish	Powder coated, light grey (NCS 1502-R)
Connectors	RF: 4.3-10 (F) x 8
Mounting	Pole/wall bracket supplied with two metal clamps 45-178mm diameter poles

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6038-2031	DUAL, 2 in / 2 out	NO DC	4.3-10 (F)
KA-6038-4031	QUAD, 4 in / 4 out	NO DC	4.3-10 (F)

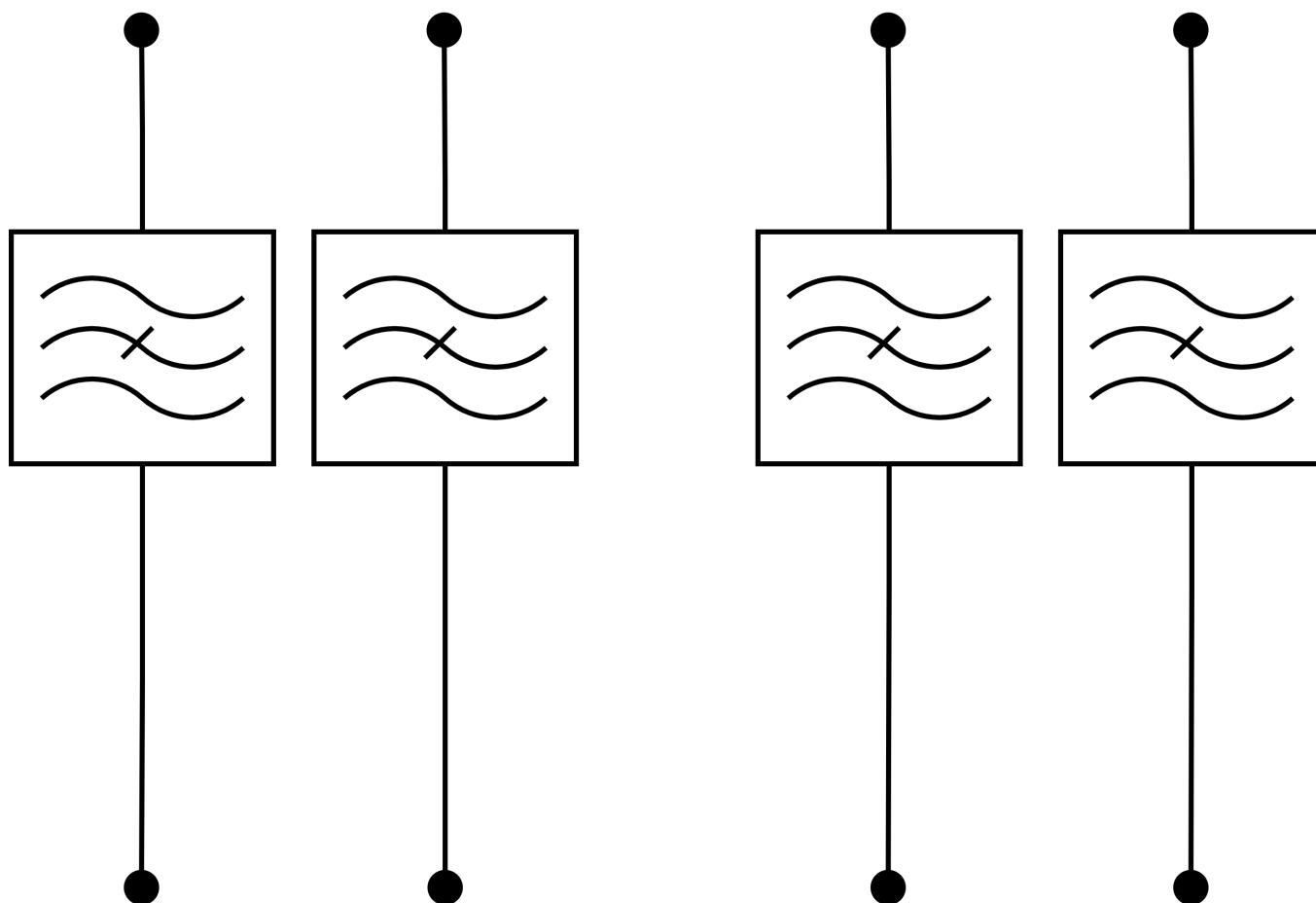
ELECTRICAL BLOCK DIAGRAM

ANT 1

ANT 2

ANT 3

ANT 4



BTS1

BTS2

BTS3

BTS4

MECHANICAL BLOCK DIAGRAM

