

KA-6013-2032

TWIN BANDSTOP 700/900 INTERFERENCE MITIGATION FILTER

The KA-6013 is ideal for co-located 700, 850 and 900 networks. Utilising a 8.4Hz guardband the KA-6013 provides rejection of the 850 band while passing 700 & 900 UL and DL bands. Capable of being used in an outdoor environment the KA-6013 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay, EVM and rejection.

FEATURES

- Rejection of 850MHz downlink
- Passes full 700 & 900 band
- Notch filter structure
- DC/AISG pass
- Low insertion loss
- Outdoor and indoor configurations
- Twin unit



TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH	900 UPLINK PATH	900 DOWNLINK PATH
Passband	703 - 803MHz	898.4 - 915MHz	935 - 960MHz
Insertion loss	0.15dB typical, 0.2dB maximum	0.15dB typical, 0.6dB maximum	0.15dB typical, 0.2dB maximum
Return loss	20dB typical, 18dB minimum		
Rejection	50dB minimum @ 870-890MHz		
ELECTRICAL			
Impedance	50Ohms		
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -155dBc maximum with 2 x 43dBm		
Maximum input power (Per Port)	200W		
DC / AISG			
Passband	0 – 3MHz		
Insertion loss	0.3dB maximum		
Return loss	15dB minimum		
Input voltage range	± 33V		
DC current rating	2A continuous, 4A peak		
Compliance	3GPP TS 25.461		
ENVIRONMENTAL			
For further details of environmental compliance, please contact Kaelus.			
Temperature range	-30°C to +70°C -22°F to +158°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 class 4.1E, RoHS		
MECHANICAL			
Dimensions H x D x W	334x130x80mm 13.1 x 5.11 x 3.14in (Excluding brackets and connectors)		
Weight	4.4kg 9.7lbs estimated		
Finish	Powder coated, light grey (NCS 1502-R)		
Connectors	RF: 4.3-10 (F) x 4		
Mounting	Pole/wall bracket supplied with two metal clamps 45-178mm diameter poles		

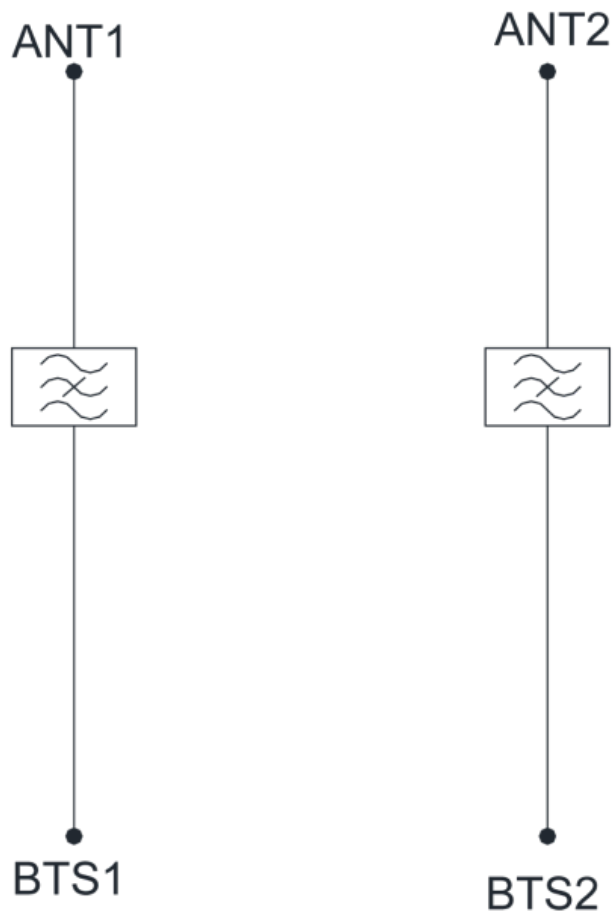
SHIPPING INFORMATION

Carton size	470 x 210 x 155mm
Gross weight (including packaging)	4.7kg

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6013-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

