

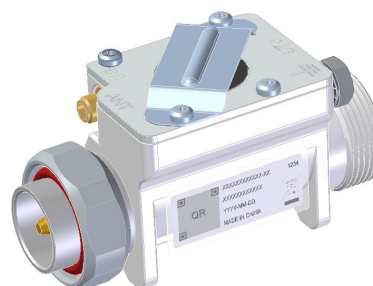
KA-9002-1001

DC INSERTER

Designed to be deployed as an indoor DC inserter, or bias-T, in cellular base station systems, the KA-9002 provides high quality performance.

FEATURES

- Primary surge protection fitted to the DC input
- Designed to handle the high RF power levels of TX carriers associated with duplex tower mounted amplifiers
- Can be mounted in a cable tray or directly onto the BTS RF connector



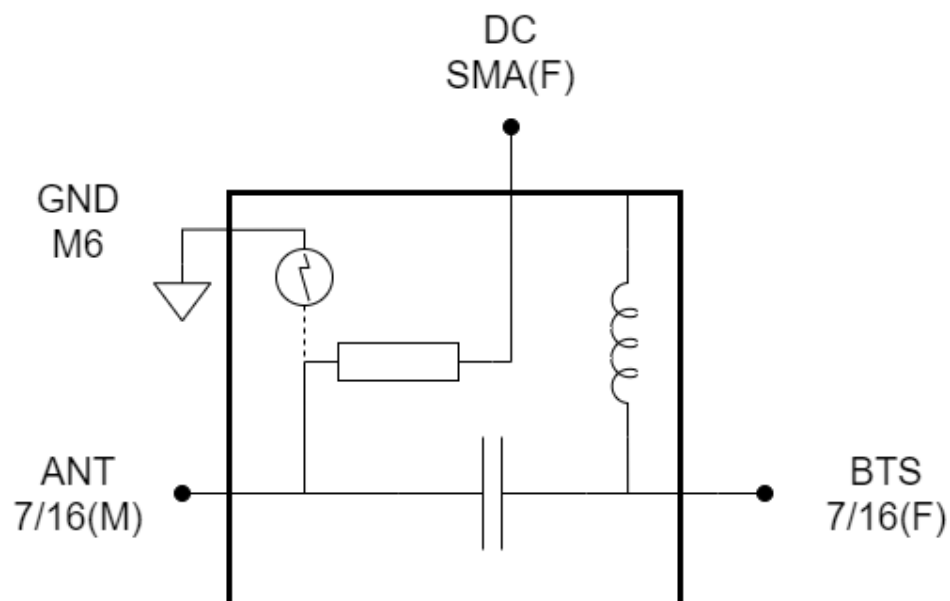
TECHNICAL SPECIFICATIONS

RF	
Passband	698 - 2690MHz
Return loss	20dB minimum input and output
Insertion loss	0.1dB maximum
Maximum input power with no damage	200W (average) maximum
RF impedance	50ohms
Intermodulation, passive	<-159dBc with 2 x 20W carriers
DC	
DC Current	1.6 A
Voltage Drop	1 V
ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-40°C to +65°C -40°F to 149°F
Ingress protection	IP68, Outdoor unit
Lightning protection	IEC-61000-4-5, 8/20µs, ±5kA maximum,
MECHANICAL	
Dimensions H x D x W (single twin unit)	88 x 39 x 50mm maximum
Weight	0.3 kg
Finish	Painted, light grey (NCS 1502-R)

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS	DC/AISG CONFIGURATION
KA-9002-1000	SINGLE, 1 in / 1 out	Current injector, outdoor, SMA connector	1000 BTS 7/16(M) ANT 7/16(F)	Compliant with AISG type signalling 1 - 11 MHz
KA-9002-1001	SINGLE, 1 in / 1 out	Current injector, outdoor, SMA connector	1001 BTS 7/16(F) ANT 7/16(M)	Compliant with AISG type signalling 1 - 11 MHz

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

