

**150 COAXIAL INTERFACE  
150 VIDEO INTERFACE  
RNG-CIF, RNG-VIF**



Varis' Smart Com 150 Coaxial Interface unit (RNG-CIF) provides an interface between the Smart Com 150 Leaky Feeder network and devices requiring a direct 75 ohm BNC connection (RF and DC). The Varis Smart Com 150 Video Interface unit (RNG-VIF) provides an interface between the Smart Com 150 Leaky Feeder network and video equipment requiring a 75 ohm BNC connection with DC blocking (RF only).



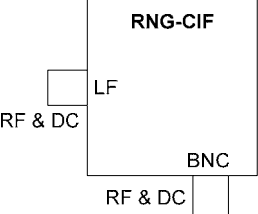
RNG-CIF/RNG-VIF

**Product Specifications**

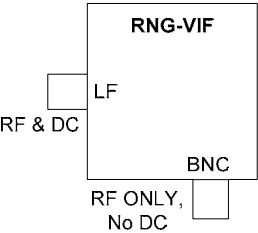
	COAXIAL INTERFACE	VIDEO INTERFACE
Part Number	RNG-CIF	RNG-VIF
<b>Physical</b>	Single Printed Circuit Board	
Construction	Single Printed Circuit Board	
Enclosure	NEMA 4x (IP66), Polystyrene	NEMA 4x (IP66), Polystyrene
Dimensions (L x H x W)	165 x 75 x 145 mm (6.5 x 3.0 x 5.7 in)	
Weight (nominal)	0.35 kg (0.77 lbs)	
Connectors	Three Terminal Lug Connector (PG21 cable grip), 1 BNC jack Connector (RG 59)	
Conformal Coating	No	No
<b>Environmental</b>	-20 to +60° C (-4 to +140° F)	
Temperature Range	-20 to +60° C (-4 to +140° F)	
<b>Electrical</b>	0-40 Vdc	
Input Voltage Range	0-40 Vdc	
Current Consumption	0 mA	
DC Blocking	No	Yes
<b>RF Characteristics</b>	75 ohm	
Input Impedance	75 ohm	
Output Impedance	75 ohm	
Frequency Range	10-200 MHz	
RF Loss	< 1 dB	
<b>Approvals</b>	No	
Intrinsic Safety	No	No
CE Certification	Yes	Yes

### Installation

- Coaxial Interface Units (RNG-CIF) connect between the Leaky Feeder network and devices requiring a 75 ohm BNC connection as shown below. These units will pass DC to the device connected to the BNC port.



- Video Interface Units (RNG-VIF) connect between the Leaky Feeder network and devices requiring a 75 ohm BNC connection as shown below. These units block DC to the video equipment connected to the BNC port.



### WARNINGS



Ensure that devices connected to a Coaxial Interface Unit (RNG-CIF) can accept 40 Vdc at their input, otherwise the connected device may be damaged.

