

# VALIANT COMMUNICATIONS LIMITED



## **16 x E1 120 Ohms (RJ45) to 75 Ohms (BNC Female Connector) Converter**

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Data Sheet & Product Brochure

### **U.K.**

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**E1, 120 Ohms (RJ45) to E1, 75 Ohms (BNC Female Connector) Converter  
19-Inch Rack Mount Version:**

**E1, 120 Ohms (RJ45) to E1, 75 Ohms (BNC Female Connector) Converter**

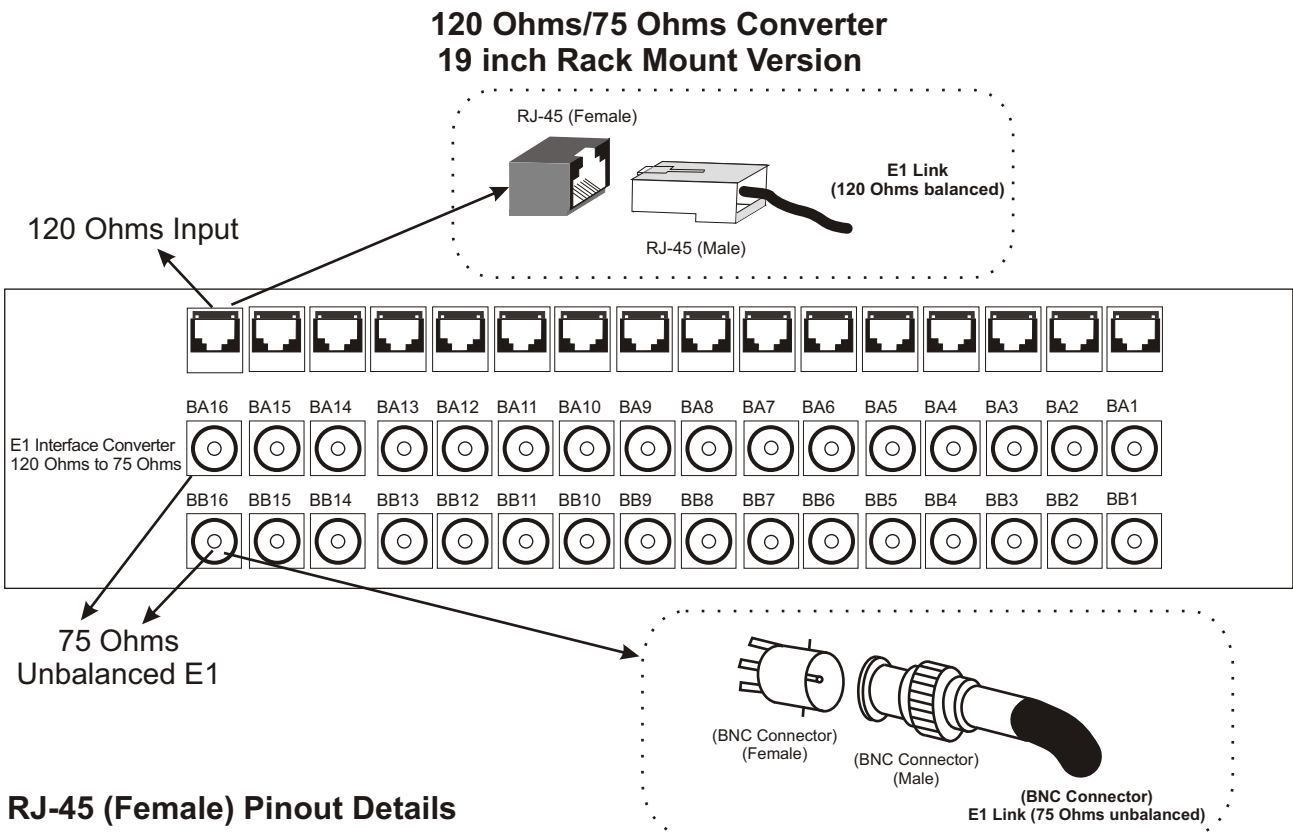
**What does it do?**

The E1, 120 Ohms (RJ45) to E1, 75 Ohms (BNC Female Connector) Converter, may be used to convert up to 16, E1, 120 Ohms (RJ45) Interfaces to E1, 75 Ohms (BNC Female Connector) Interfaces.

**Application Where is it used?**

The E1, 120 Ohms (RJ45) to E1, 75 Ohms (BNC Female Connector) Converter, may be used in applications where the user requires to convert up to 16 (or fewer), E1, 120 Ohms (RJ45) Interfaces to 16 (or fewer) E1, 75 Ohms (BNC Female Connector) Interfaces.

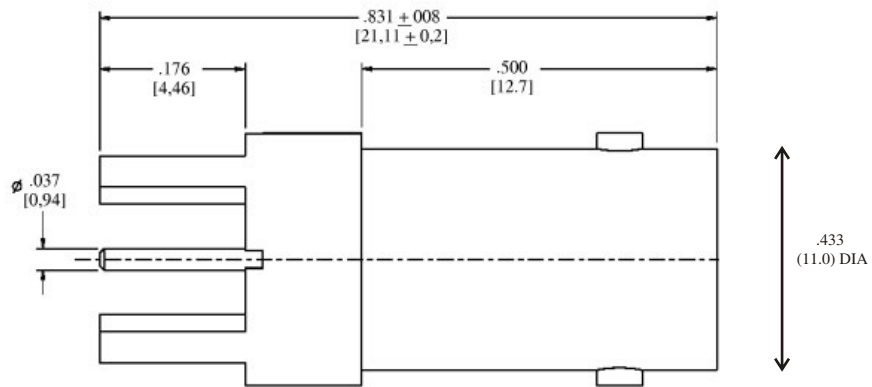
**Connecting / Converting an E1, 120 Ohms (RJ45) Interface to an E1, 75 Ohms (BNC Female Connector) Interface.**



RJ-45 (Female) Pin #	BNC Connector (Female)
1	BA
2	BA
4	BB
5	BB



**Connector Details**



**Mechanical Drawing - BNC Female Connector**

**Material and Plating:**

Body	Brass, gold plated
Center contacts	Phosphor bronze, gold plated
Insulators	PTFE

**Electrical Characteristics:**

Characteristic impedance	75 Ohms
Working Voltage	330 V
Frequency range	0-1 GHz
Contact resistance initial value	Center contact: 10 mohm Outer contact: 5 mohm
Dielectric withstanding voltage	1000 V
Insulation resistance	10000 M

### Mechanical Specification

Rack Mounting	Standard 19 Inch. DIN Rack
Height	90 mm.
Width	45 mm.
Length	485 mm. (with mounting brackets)
Weight	1.4 kg.

### Ordering Information

16 x E1 120 Ohms to 75 Ohms (BNC Female Connector) Converter			
S.No.	Part #	Product Description	Qty
1.	VCL-1105-75/120-CONV-BNC-F	16 x E1 120 Ohms to 75 Ohms Converter (RJ45 to BNC Female Connector)	1

Technical specifications are subject to changes without notice.  
Revision 7 - January 04, 2010

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