



**FEATURES**

- Excellent linearity
- Extremely low noise
- High gain
- Excellent return loss properties

**APPLICATIONS**

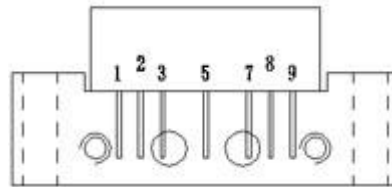
- Single module line extender in CATV systems operating in the 40 to 750 MHz frequency range.

**DESCRIPTION**

Hybrid high dynamic range integrated circuit operating at a supply voltage of 24 V (DC) in a SOT115J package. The Module consists of two cascaded stages both in cascode configuration.

**PINNING - SOT115U**

PIN	DESCRIPTION
1	Input
2	Common
3	Common
5	+VB
7	Common
8	Common
9	Output



Side view

**Fig.1 Simplified outline**

**QUICK REFERENCE DATA**

SYMBOL	PARAMETER	CONDITIONS	MIN.	MAX.	UNIT
G <sub>p</sub>	power gain	f=50MHz	35.5	36.9	dB
		f=750MHz	36	-	dB
I <sub>tot</sub>	total current consumption (DC)	V <sub>B</sub> =24V	200	235	mA

**LIMITING VALUES**