

**VHF linear power transistor**

**BLV33**

**Description:**

NPN silicon planar epitaxial transistor encapsulated in a 1/16" 4 fslead SOT147 capstan package with ceramic cap. All leads are isolated from the stud. Primarily intended for use in linear VHF amplifiers for television transmitters and transposers.

**Features:**

- \* Diffused emitter ballasting resistors for an optimum temperature profile
- \* Gold sandwich metallization ensures excellent reliability.

**Specifications:**

MODE OF OPERATION	f <sub>vision</sub> (MHz)	V <sub>CE</sub> (V)	I <sub>C</sub> , I <sub>C(ZS)</sub> (A)	T <sub>h</sub> (°C)	d <sub>im</sub> <sup>(1)</sup> (dB)	P <sub>o sync</sub> <sup>(1)</sup> (W)	G <sub>P</sub> (dB)	sync compr. <sup>(2)</sup> sync in/sync out (%)
CW, class-A	224.25	25	3.2	70 25	-55 -55	>16.5 typ. 26	>9 typ. 9.7	
CW, class-AB	224.25	28	0.1	70		typ. 90	typ. 6.5	30/25

**Drawings:**

**PINNING - SOT147**

PIN	SYMBOL	DESCRIPTION
1	c	collector
2	e	emitter
3	b	base
4	e	emitter

