

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

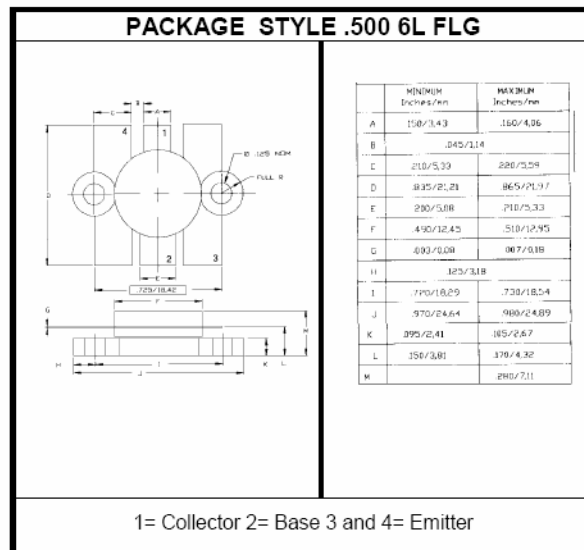
The BLV32F is designed for in linear v.h.f. amplifiers of television transmitters and transporters.

FEATURES:

- Diffused emitter ballasting resistors
- $P_G = 16$ dB at 10 W/224 MHz
- **OmniGold™** Metalization System

MAXIMUM RATINGS

I_C	4.0 A
V_{CBO}	60 V
V_{CEO}	32 V
V_{CES}	60 V
V_{EBO}	4.0 V
P_{DIS}	82 W @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
θ_{JC}	2.1 $^\circ\text{C}/\text{W}$



CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 100$ mA	32			V
BV_{CES}	$I_C = 15$ mA	60			V
BV_{EBO}	$I_E = 10$ mA	4.0			V
I_{CES}	$V_{CE} = 32$ V			5.0	mA
h_{FE}	$V_{CE} = 25$ V $I_C = 1.6$ A	20		120	---
C_C	$V_{CB} = 25$ V $f = 1.0$ MHz		50		pF
P_G	$V_{CE} = 25$ V $P_{OUT} = 10$ W $f = 224$ MHz	16			dB



ELEFLOW OFFICES

<p>CHINA</p> <p>ELEFLOW TECHNOLOGIES(HQ) Suite1-603, HuaKang Plaza 109 ZhenXing Road, Futian District ShenZhen518031, P.R. China Phone: 86-755-83204665/83204663 Fax: 86-755-8320 4659 Email: eleflow@163.com</p> <p>USA</p> <p>ELEFLOW TECHNOLOGIES(USA) Mr. Ted Seymore (Manager) 3291 NE 4th Ave., Boca Raton Florida 33431-6011, USA Phone: 408-716-8509 Fax: 561-852-0505 Email: tedseymour@adelphia.net</p>	<p>R & D CENTER</p> <p>ELEFLOW TECHNOLOGIES(R&D CENTER) Overseas Chinese High-Tech Venture Park No. 12 South, Hi-tech Park, NanShan Dist. ShenZhen518057, China</p> <p>CHENGDU, CHINA</p> <p>Eleflow Technologies (Chengdu Office) Mr. Ou, Lin (Manager) Suite A401, Qunyi Business Centre 13 ErHuanLu NanYiDuan, Chengdu Sichuan610041, China Phone: 86-28-8521 3480 Fax: 86-28-8521 3480 Email: eleflow@163.com</p>
---	--