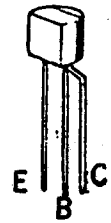


TO-92.

BF420 and BF421 are complementary NPN/PNP silicon planar epitaxial transistor. Designed for high voltage video amplifiers in colour television receivers including grid drive and in driver stages of high voltage line deflection circuits.



ABSOLUTE MAXIMUM RATINGS

Collector-Base Voltage	VCBO	300V
Collector-Emitter Voltage	VCEO	300V
Emitter-Base Voltage	VEBO	5V
Collector Current	IC	200mA
Total Power Dissipation (mounted on a copper plate of length 3mm max and area 1cm ²)	Ptot	830mW
Operating Junction & Storage Temperature	Tj, Tstg	-55 to +150°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	MAX	UNIT	TEST CONDITIONS
Collector-Base Breakdown Voltage	BVCBO	300		V	IC=10μA IE=0
Collector-Emitter Breakdown Voltage	BVCEO	300		V	IC=2.5mA IB=0
Emitter-Base Breakdown Voltage	BVEBO	5		V	IE=10μA IC=0
Collector Cutoff Current	ICBO		10	nA	VCB=200V IE=0
Emitter Cutoff Current	IEBO		10	nA	VEB=5V IC=0
D.C. Current Gain	HFE	40			IC=25mA VCE=20V
Current Gain-Bandwidth Product	fT	60		MHZ	IC=10mA VCE=10V
Output Capacitance	Cob	2.0typ		pF	VCB=30V IE=0 f=1MHZ



MICRO ELECTRONICS LTD. 美科有限公司

38 Hung To Road, Kwun Tong, Kowloon, Hong Kong. Cable: Microtron, Hong Kong. Telex: 43510 Micro Hx.
P.O. Box 49477, Kwun Tong. Tel: 3-430181-6, 2-893363, 3-892423, 3-898221 FAX: 3-410321

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