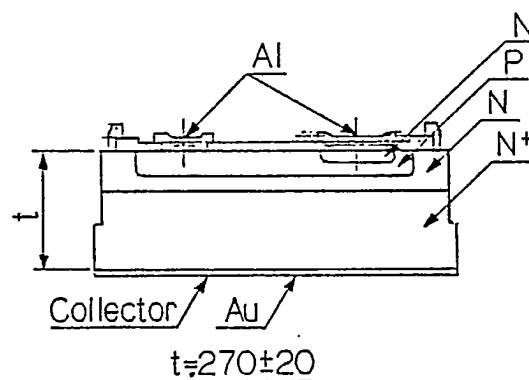
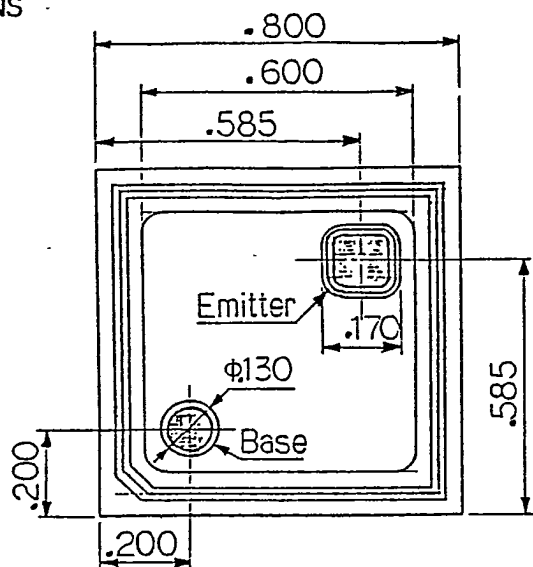


CENTRONIC**TECHNICAL DATA SHEET**
CEN 800

NPN EPITAXIAL PLANAR PHOTOTRANSISTOR CHIP

DIMENSIONS



(ALL DIMENSIONS IN MM)

ELECTRO-OPTICAL CHARACTERISTICS

CHARACTERISTICS		SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
COLLECTOR-EMITTER BREAKDOWN VOLTAGE		BV_{CEO}	$I_{CE}=0.5\text{mA}$	45			V
COLLECTOR-BASE BREAKDOWN VOLTAGE		BV_{CBO}	$I_{CB}=50\mu\text{A}$	55			V
EMITTER-BASE BREAKDOWN VOLTAGE		BV_{CEO}	$I_{EB}=50\mu\text{A}$	5.5			V
DARK CURRENT		I_{CEO}	$V_{CEO}=10\text{V}$			100	nA
COLLECTOR-EMITTER SATURATED VOLTAGE *2		$V_{CE(SAT)}$	$I_C=5\text{mA}$ $I_C=2\text{mA}$			0.35	V
DC CURRENT AMPLIFICATION		H_{FE}	$V_{CE}=5\text{V}$ $I_C=2\text{mA}$	100		400	
SWITCHING TIME	RIISING	T_R	$V_{CC}=10\text{V}$ $I_C=1\text{mA}$ $R_L=100\text{ OH}$		2		US
	FALLING	T_F			2		US
PEAK WAVELENGTH					800		NM
WAVELENGTH				480 - 1000			

*2 TO-18 PACKAGE

OVER →

CENTRONIC INC.

E-O Division

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Morgan
ELECTRONICS DIVISION

ABSOLUTE MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
COLLECTOR-EMITTER VOLTAGE	V_{CEO}	45	V
COLLECTOR-BASE VOLTAGE	V_{CBO}	55	V
EMITTER-BASE VOLTAGE	V_{EBO}	5.5	V
COLLECTOR CURRENT *1	I_C	20	mA
COLLECTOR POWER *1 DISSIPATION	P_C	75	mW
OPERATIONAL TEMPERATURE	T_{OPR}	-20 - +75	C
STORAGE TEMPERATURE	T_{STG}	-30 - +100	C

*1 3MM CERAMIC PACKAGE