



SOLITRON DEVICES PRODUCT SPECIFICATION

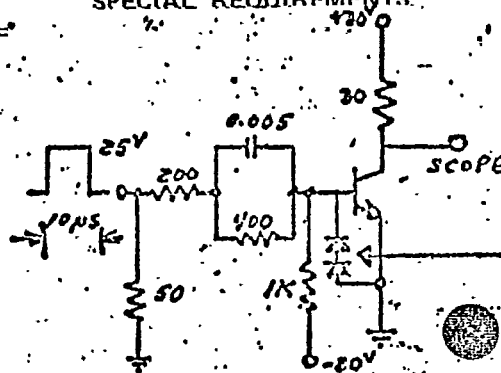
CUSTOMER GENERAL PURPOSE		TYPE NO. 2N2849	
CITY		Si ☒	Ge ☐
CUST. DWG JEDEC 4651		NPN ☒	PNP ☐
REV.		CLASS C	TO- 5
DEVICE MARKING ☐ STANDARD ☐			
(a) S			
(b) 2N2849-1			
(c) DATE CODE			

GROUP A AND / OR PERFORMANCE CHARACTERISTICS

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1	I_{CES}	$V_{CE} = 80V$		100	NA
2	T_{CES}	$V_{CE} = 80V$ $T = 150^{\circ}C$		50	μA
3	V_{EBO}	$I_E = 10 \mu A$	5.0		V
4	V_{CES}	$I_C = 10 \mu A$	100		V
5	h_{FE}	$V_{CE} = 1.0V$ $I_C = 1.0A$	100	300	
6	h_{FE}	$V_{CE} = 1.0V$ $I_C = 50 mA$	50		
7	$V_{CE(S)}$	$I_C = 1.0A$ $I_B = 20 mA$		0.4	V
8	$V_{BE(S)}$	$I_C = 1.0A$ $I_B = 20 mA$		1.2	V
9	C_{ob}	$V_{CB} = 10V$ $f = 1.0 MHz$		125	PF
10	h_{fe}	$V_{CE} = 5.0V$ $I_C = 200 mA$ $f = 20 MHz$	1.5		
11	t_d	SEE FIGURE BELOW		50	μsec
12	t_r			125	μsec
13	t_s			1.5	μsec
14	t_{sf}			175	μsec
15					
16					
17					
18					
19					
20					

SPECIAL REQUIREMENTS

CONVERSION 84SP



$I_C = 1A$
 $V_{BE(0)} = -1V$
 $V_{CC} = 30V$

1N411A, 1N412A IN SERIES

I_{b1} and I_{b2} are as defined by circuit conditions specified

SOLITRON REVISION

APPROVED