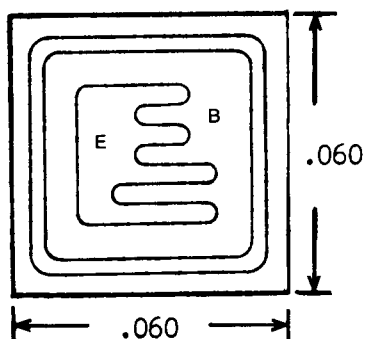


X00075

TR0007

ACTIVE

STX 6904 / ~~6905~~ CHIP**HIGH VOLTAGE PNP TRANSISTOR
MULTIPLE DIFFUSED EPITAXIAL**

Contact Area: .012 x .020

CONTACT METALLIZATION

Base/Emitter: > 30,000 Å Aluminum

Collector: > 2,000 Å Evaporated Gold

ASSEMBLY RECOMMENDATIONS

1. Eutectic Die Attach.
2. Ultrasonically Attach 5 MIL Aluminum Wire To Base/Emitter Contacts.

PARAMETER	TEST CONDITIONS *	TYPE	MIN.	MAX.	UNIT
BV _{CEO}	IC=1mA	STX 6904 not	350		Vdc
		STX 6905	400		Vdc
BV _{CBO}	IC=100uA	STX 6904	400		Vdc
		STX 6905	500		Vdc
BV _{CER}	IC=100uA, RBE=1Kohms	STX 6904	400		Vdc
		STX 6905	500		Vdc
BV _{EBO}	IE=20uA	ALL	6.0		Vdc
I _{EBO}	VEB=4V	ALL		250	n Adc
I _{CBQ}	VCB=300V	STX 6904		500	n Adc
	VCB=400V	STX 6905		500	n Adc
h _{FE}	VCE=15V, IC=100mA		20	200	
h _{FE}	VCE=10V, IC=25mA		40	250	
h _{FE}	VCE=10V, IC=1mA		20	200	
V _{BE(SAT)}	IC=25mA, VCE=10V			1.0	Vdc
V _{CE(SAT)}	IC=25mA, IB=2.5mA			3.0	Vdc
C _{OB}	VCB=15V, f=2MHZ			20	pf
h _{fe}	VCE=20V, IC=10mA, f=5MHZ		4		

* Electrical characteristics measured at lot acceptance testing in a TO-5 package. Specifications subject to change without notice.

SSDI **SOLID STATE DEVICES, INC.**

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