

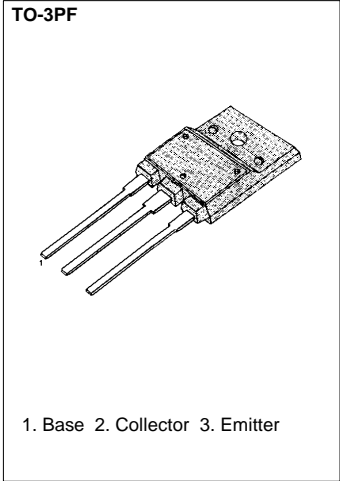
KSD5079

NPN TRIPLE DIFFUSED  
PLANAR SILICON TRANSISTOR

COLOR TV HORIZONTAL OUTPUT  
APPLICATIONS (NO DAMPER DIODE)

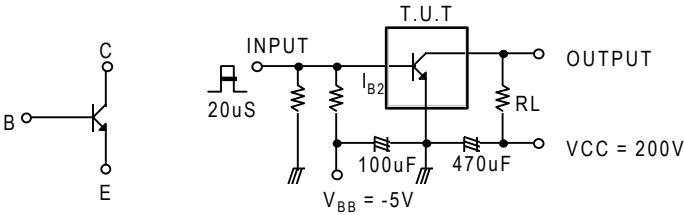
ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)

Characteristic	Symbol	Rating	Unit
Collector - Base Voltage(V <sub>BE</sub> =0)	V <sub>CBO</sub>	1500	V
Collector - Emitter Voltage	V <sub>CE0</sub>	800	V
Emitter - Base Voltage	V <sub>EBO</sub>	6	V
Collector Current (DC)	I <sub>C</sub>	10	A
Collector Current (Pulse)	I <sub>c</sub>	30	A
Collector Dissipation (T <sub>C</sub> =25°C)	P <sub>C</sub>	70	W
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature	T <sub>STG</sub>	-55~150	°C

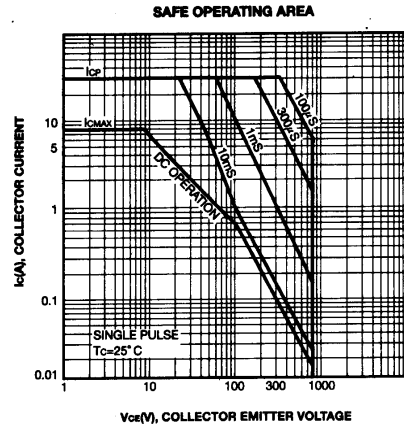
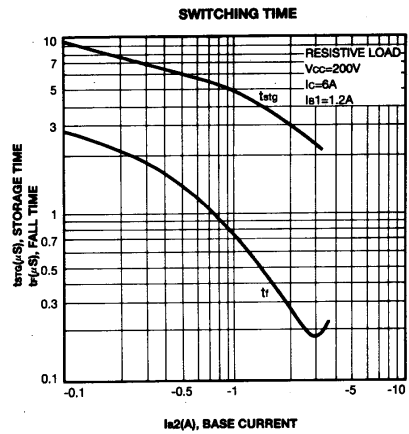
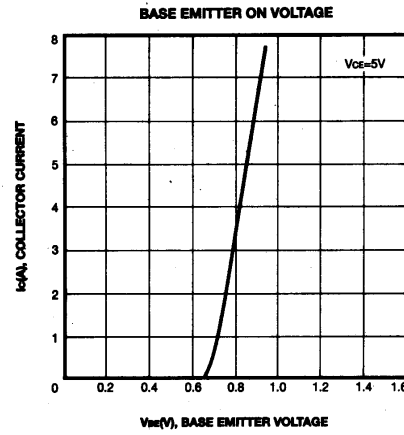
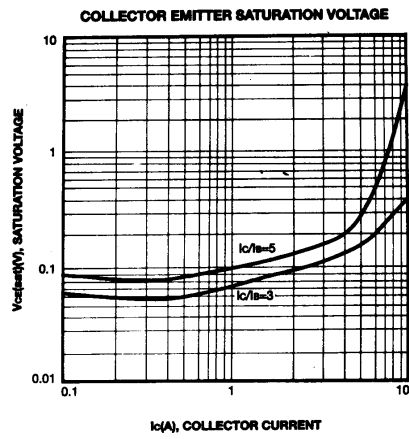
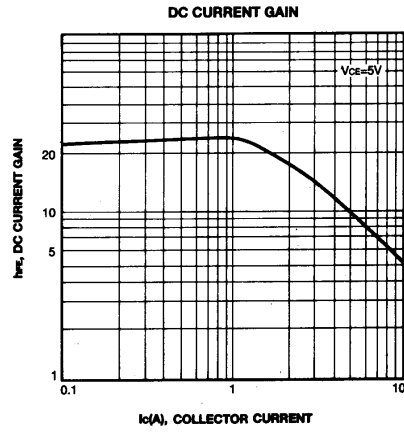
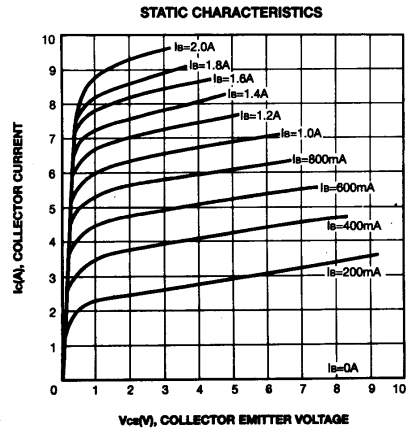


ELECTRICAL CHARACTERISTICS (T<sub>C</sub>=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current (V <sub>be</sub> =0)	I <sub>CES</sub>	V <sub>CE</sub> = 1500V			1	mA
Collector Cutoff Current	I <sub>CBO</sub>	V <sub>CB</sub> = 800V, I <sub>E</sub> = 0			10	μA
Emitter Cutoff Current	I <sub>EBO</sub>	V <sub>EB</sub> = 4V, I <sub>C</sub> = 0			1	mA
DC Current Gain	h <sub>FE1</sub>	V <sub>CE</sub> = 5V, I <sub>C</sub> = 1A	8			
	h <sub>FE2</sub>	V <sub>CE</sub> = 5V, I <sub>C</sub> = 8A	5			
Collector Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = 8A, I <sub>B</sub> = 1.6A			5	V
Base Emitter Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> = 8A, I <sub>B</sub> = 1.6A			1.5	V
Fall Time	t <sub>F</sub>	I <sub>C</sub> = 6A, I <sub>B1</sub> = 1.2A I <sub>B2</sub> = - 2.4A V <sub>CC</sub> = 200V, R <sub>L</sub> = 33.3Ω		0.1	0.3	μs



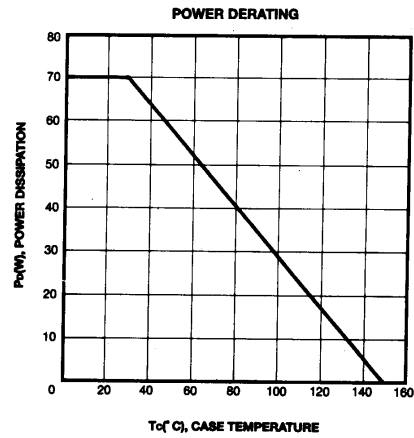
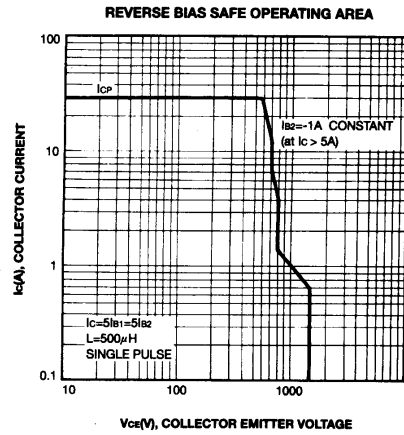
# NPN TRIPLE DIFFUSED KSD5079 PLANAR SILICON TRANSISTOR



# KSD5079

## NPN TRIPLE DIFFUSED PLANAR SILICON TRANSISTOR

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