

SANYO	No.2532	2SC4075
		NPN Triple Diffused Planar Type Silicon Transistor COLOR TV CHROMA OUTPUT AND SOUND OUTPUT APPLICATIONS

Applications

- . Color TV chroma output, sound output and B/W TV video output, sound output applications

Features

- . Highly resistant to breakdown and wide ASO
- . Micaless package facilitating mounting

Absolute Maximum Ratings at Ta=25°C

Collector-to-Base Voltage	V_{CBO}	300	V	
Collector-to-Emitter Voltage	V_{CEO}	300	V	
Emitter-to-Base Voltage	V_{EBO}	7	V	
Collector Current	I_C	200	mA	
Peak Collector Current	i_{cp}	700	mA	
Collector Dissipation	P_C	2	W	
		$T_c=25^\circ C$	10	W
Junction Temperature	T_j		150	°C
Storage Temperature	T_{stg}		-55 to +150	°C

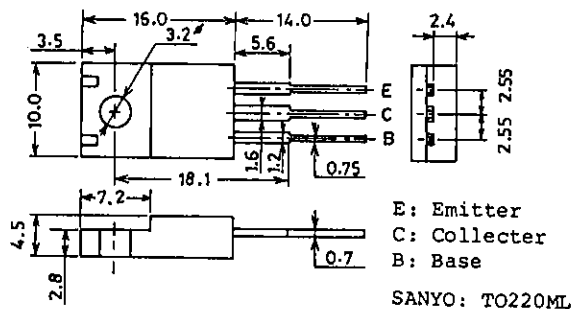
Electrical Characteristics at Ta=25°C

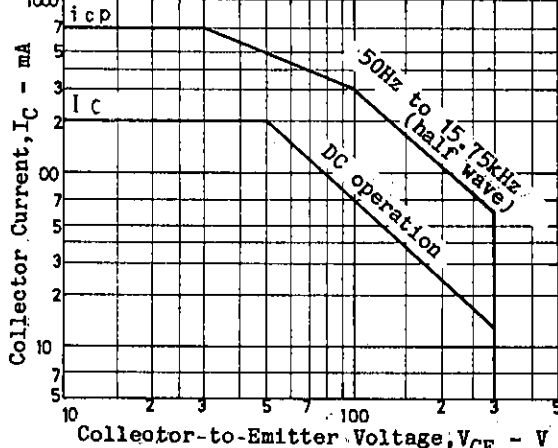
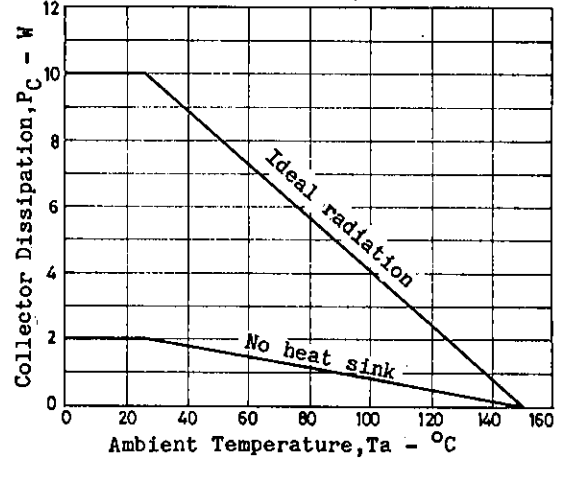
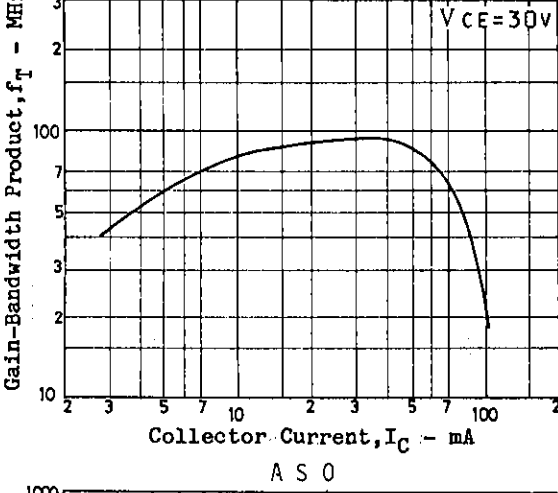
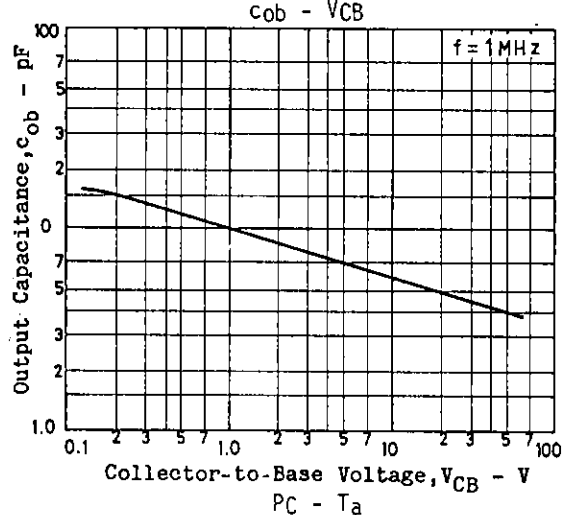
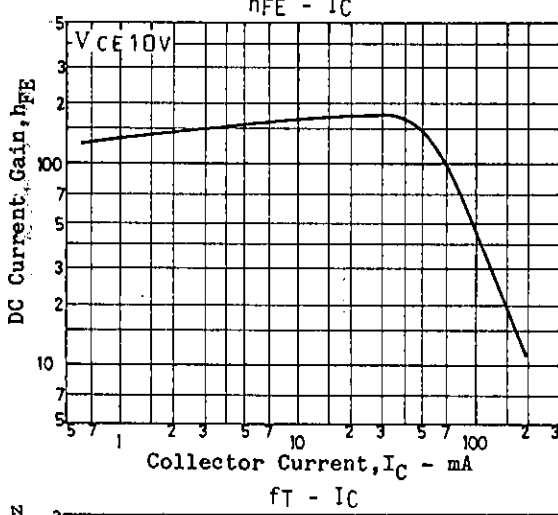
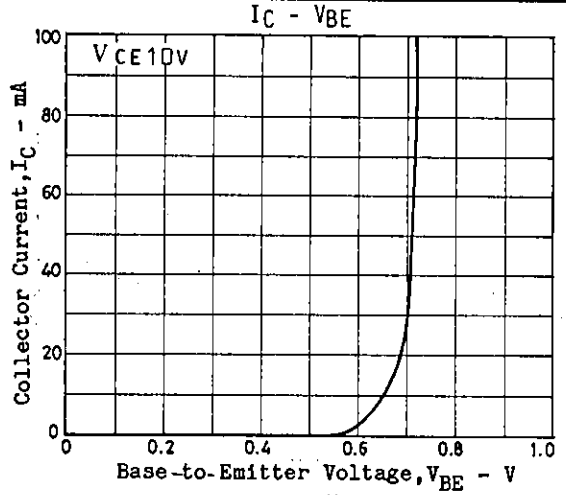
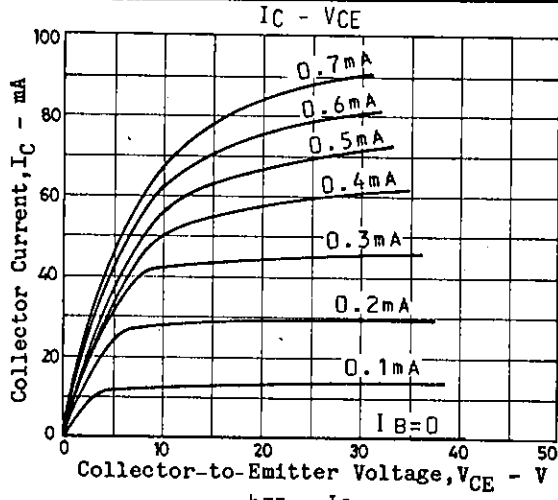
			min	typ	max	unit
Collector Cutoff Current	I_{CBO}	$V_{CB}=200V, I_E=0$			0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}=5V, I_C=0$			0.1	μA
DC Current Gain	h_{FE}	$V_{CE}=10V, I_C=10mA$	40*		200*	
Gain-Bandwidth Product	f_T	$V_{CE}=30V, I_C=10mA$	50			MHz
Output Capacitance	c_{ob}	$V_{CE}=50V, f=1MHz$			5.3	pF
C-E Saturation Voltage	$V_{CE(sat)}$	$I_C=50mA, I_B=5mA$			2.0	V

*: The 2SC4075 is classified by 10mA h_{FE} as follows:

40	C	80	60	D	120	100	E	200
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Package Dimensions 2041
(unit:mm)





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