

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

			unit
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
		10	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

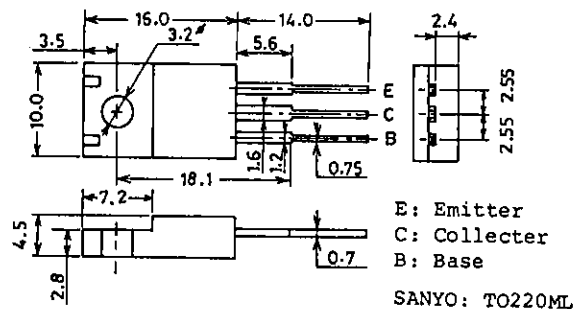
Electrical Characteristics at Ta=25°C

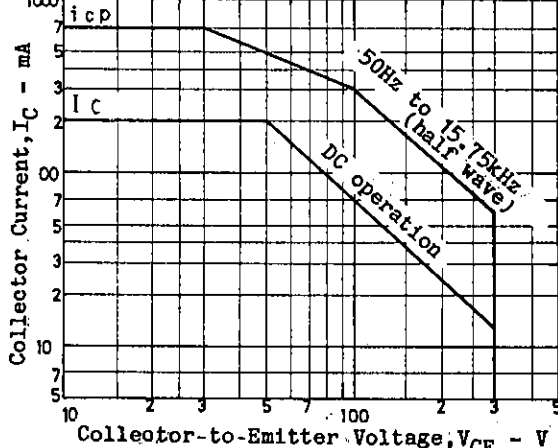
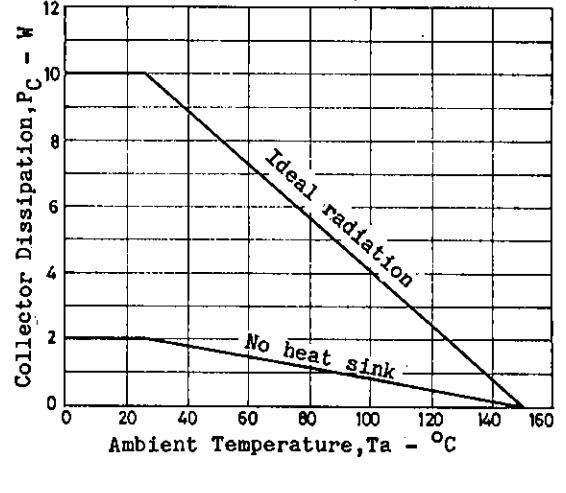
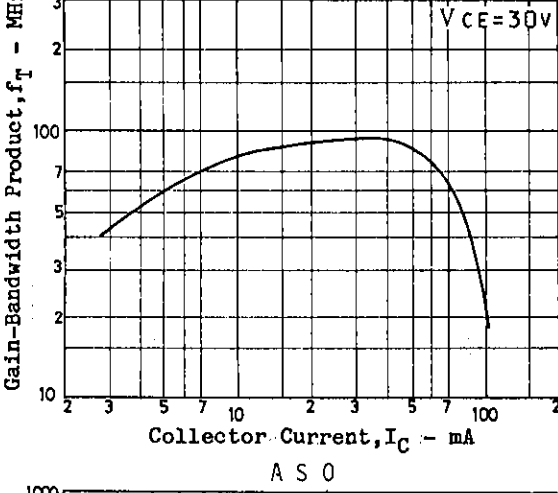
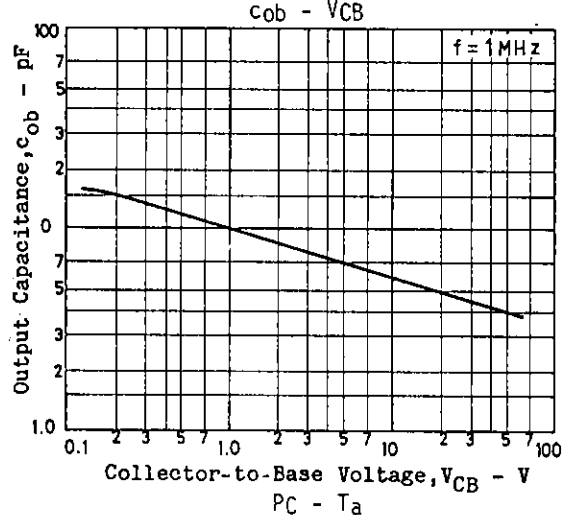
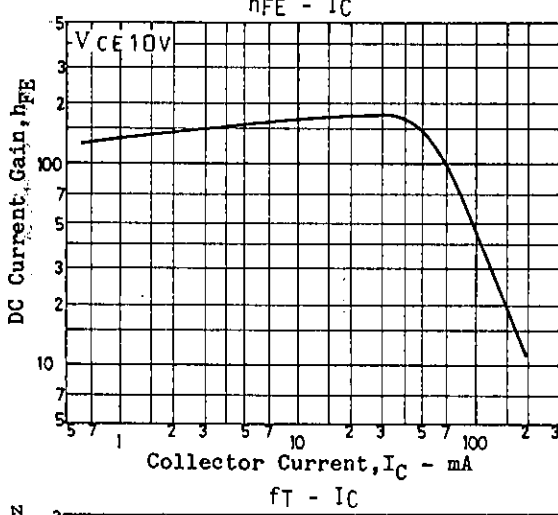
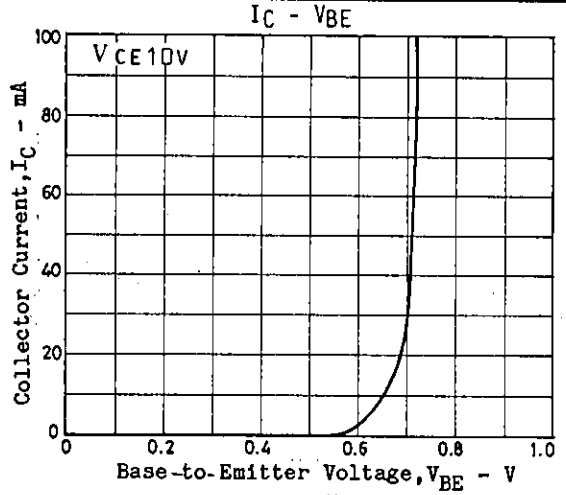
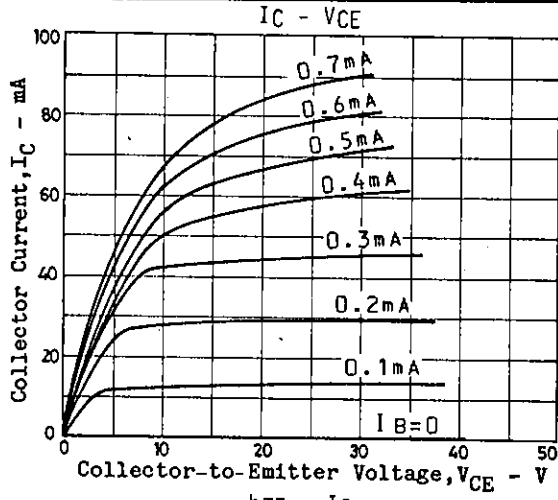
			min	typ	max	unit
Collector Cutoff Current	I _{CBO}	V _{CB} =200V, I _E =0			0.1	μA
Emitter Cutoff Current	I _{EBO}	V _{EB} =5V, I _C =0			0.1	μA
DC Current Gain	h _{FE}	V _{CE} =10V, I _C =10mA	40*		200*	
Gain-Bandwidth Product	f _T	V _{CE} =30V, I _C =10mA	50			MHz
Output Capacitance	c _{ob}	V _{CE} =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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