2SC4762

DESCRIPTION

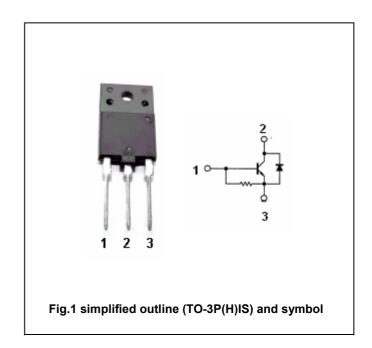
- ·With TO-3P(H)IS package
- ·High voltage,high speed
- ·Low saturation voltage
- ·Bult-in damper diode

APPLICATIONS

·Horizontal deflection output for medium resolution display

PINNING

PIN	DESCRIPTION		
1	Base		
2	Collector		
3	Emitter		



Absolute maximum ratings(Ta=25□)

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT	
V _{CBO}	Collector-base voltage	Open emitter	1500	V	
V _{CEO}	Collector-emitter voltage	Open base	600	V	
V _{EBO}	Emitter-base voltage	Open collector	5	V	
Ic	Collector current		±7	Α	
I _{CM}	Collector current-peak		±14	А	
Ι _Β	Base current		3.5	А	
P _C	Collector power dissipation	T _C =25□	50	W	
T _j	Junction temperature		150		
T _{stg}	Storage temperature		-55~150		

2SC4762

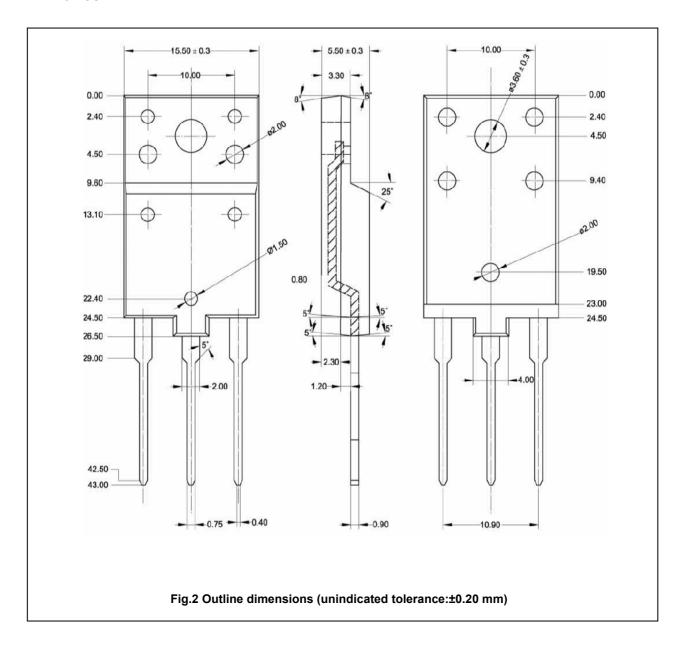
CHARACTERISTICS

Tj=25□ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)EBO}$	Emitter-base breakdown voltage	I _E =300mA ;I _C =0	5			٧
V _{CEsat}	Collector-emitter saturation voltage	I _C =5A; I _B =1A			5	٧
V _{BEsat}	Base-emitter saturation voltage	I _C =5A ;I _B =1A			1.5	V
I _{CBO}	Collector cut-off current	V _{CB} =1500V; I _E =0			1	mA
I _{EBO}	Emitter cut-off current	V _{EB} =5V; I _C =0	83		250	mA
h _{FE-1}	DC current gain	I _C =1A; V _{CE} =5V	8	12		
h _{FE-2}	DC current gain	I _C =5A ; V _{CE} =5V	5		9	
C _{ob}	Collector output capacitance	I _E =0 ; V _{CB} =10V,f=1MHz		170		pF
V _F	Diode forward voltage	I _F =5A		1.25	1.8	٧
f⊤	Transition frequency	I _C =0.1A; V _{CE} =10V	1	3		MHz
Switching ti	mes resistive load					
ts	Storage time	I _{CP} =5A;I _{B1} =1A		1.8	3.0	μs
t _f	Fall time	I_{B2} =-2A; R_L =39 Ω		0.1	0.2	μs

2SC4762

PACKAGE OUTLINE



2SC4762

