2SC5625

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCLIPTION

2SC5625 is a super mini package resin sealed silicon NPN epitaxial transistor. It is designed for low frequency voltage application.

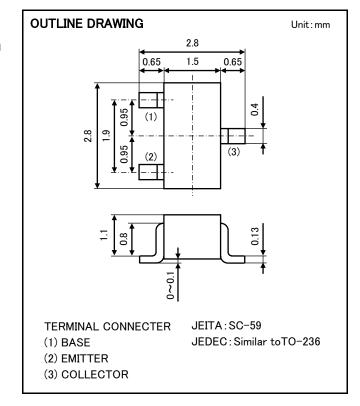
FEATURE

•Super mini package for easy mounting.

•Small collector to emitter saturation voltage. VCE(sat)=0.5V max

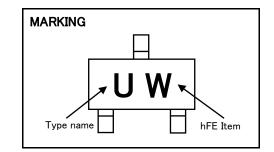
APPLICATION

DC/DC convertor, High voltage switching



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit	
Vсво	Collector to Base voltage	300	V	
VEBO	Emitter to Base voltage	7	V	
VCEO	Collector to Emitter voltage	300	V	
Ic	Collector Current	100	mA	
Pc	Collector Dissipation	200	mW	
Tj	Junction Temperature	+150	°C	
Tstg	Storage Temperature	-55~+150	°C	

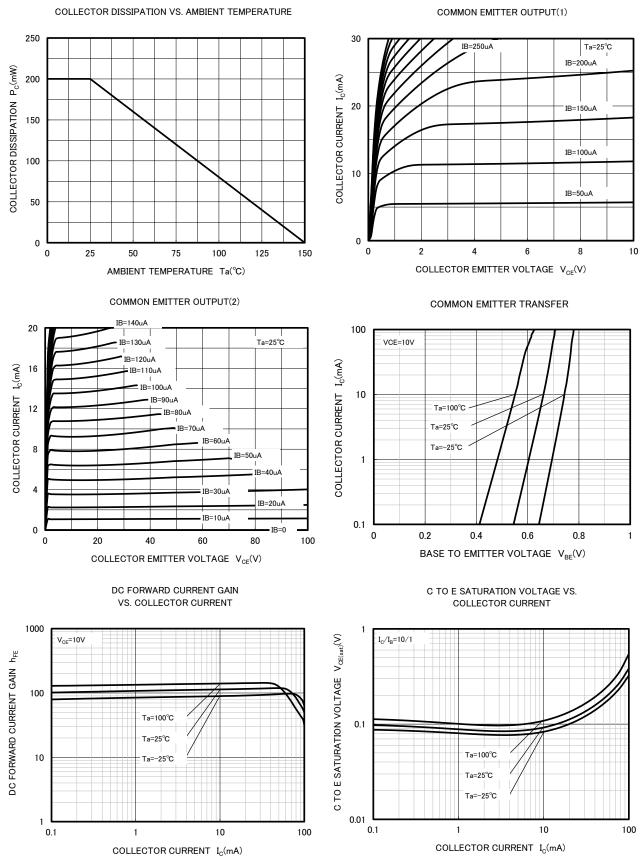


ELECTRIC CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			
			Min	Тур	Max	Unit
V(BR)CBO	C to B breakdown voltage	Ic=50μA, IE=0	300	-	-	V
V(BR)EBO	E to B breakdown voltage	Iε=50μA, Ic=0	7	-	-	V
V(BR)CEO	C to E breakdown voltage	Ic=1mA, R _{BE} =∞	300	-	-	V
Ісво	Collector Cutoff Current	Vcb=300V, IE=0	-	-	0.5	μA
Іево	Emitter Cutoff Current	VEB=5V, IC=0	-	-	0.5	μA
hFE	DC Forward Current Gain	Vce=10V, Ic=10mA	60	-	305	-
VCE(sat)	C to E Saturation Voltage	Ic=100mA, IB=10mA	-	-	0.5	V
fT	Gain Bandwidth Product	Vce=6V, Ie=-10mA	-	40	-	MHz
Cob	Collector Output Capacitance	Vcb=6V, IE=0, f=1MHz	-	3.0	-	рF

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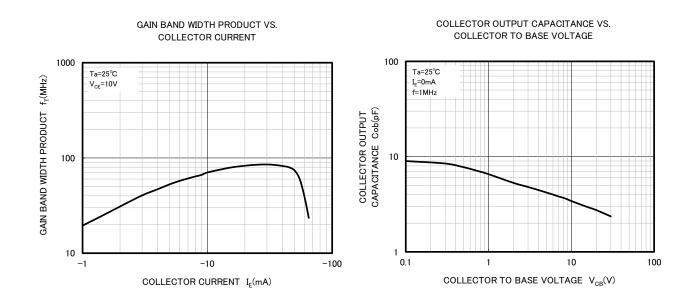
TYPCAL CHARACTERISTICS



ISAHAYA ELECTRONICS CORPORATION

2SC5625

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