LAPT 2SC2921

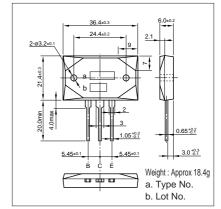
Silicon NPN Epitaxial Planar Transistor (Complement to type 2SA1215)

Application: Audio and General Purpose

Absolute maximum ratings (Ta=25°C)							
Symbol	2SC2921	Unit					
Vсво	160	V					
VCEO	160	V					
VEBO	5	V					
Ic	15	А					
Ів	4	А					
Pc	150(Tc=25°C)	W					
Tj	150	°C					
Tstg	-55 to +150	°C					

Electrical C	haracteristics	(Ta=25°C)				
Symbol	Conditions	2SC2921	Unit			
Ісво	VcB=160V	100max	μΑ			
ГЕВО	VEB=5V	100max	μΑ			
V(BR)CEO	Ic=25mA	160min	V			
hfe	Vce=4V, Ic=5A	50min*				
Vce(sat)	Ic=5A, IB=0.5A	2.0max	V			
fT	Vce=12V, Ie=-2A	60typ	MHz			
Сов	VcB=10V, f=1MHz	200typ	pF			
*hre Rank \(\overline{O}(50 to 100), P(70 to 140), Y(90 to 180)						

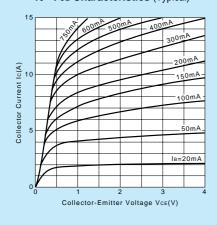
External Dimensions MT-200



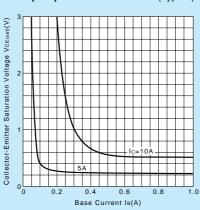
Typical Switching Characteristics (Common Emitter)

Vcc	RL	Ic	V _{B2} (V)	I _{B1}	I _{B2}	ton	tstg	tf
(V)	(Ω)	(A)		(mA)	(mA)	(µs)	(µs)	(µs)
60	12	5	-5	500	-500	0.2typ	1.5typ	0.35typ

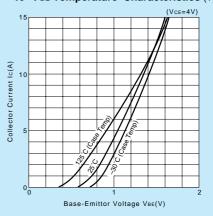
Ic-VcE Characteristics (Typical)



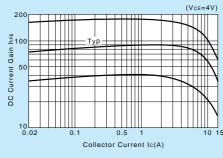
VcE(sat)-IB Characteristics (Typical)



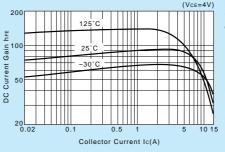
Ic-VBE Temperature Characteristics (Typical)



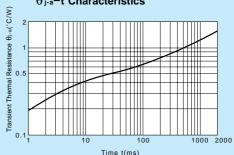
hfe-Ic Characteristics (Typical)



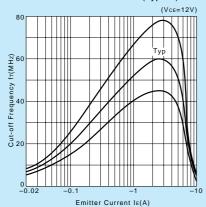
hfe-Ic Temperature Characteristics (Typical)



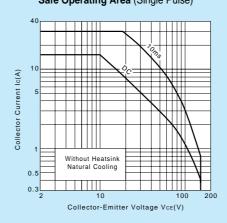
θ_{j-a}-t Characteristics



fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

