



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 2SC4883/4883A

Silicon NPN Epitaxial Planar Transistor (Complement to type 2SA1859/A)

Application : Audio Output Driver and TV Velocity-modulation

■ Absolute maximum ratings (Ta=25°C)

Symbol	Ratings		Unit
	2SC4883	2SC4883A	
VcBO	150	180	V
VcEO	150	180	V
VEBO	6		V
Ic	2		A
Ib	1		A
Pc	20(Tc=25°C)		W
Tj	150		°C
Tstg	-55 to +150		°C

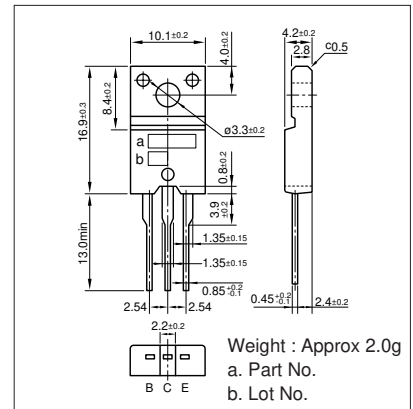
■ Electrical Characteristics (Ta=25°C)

Symbol	Conditions	Ratings		Unit
		2SC4883	2SC4883A	
IcBO	VcB=	150	180	μA
IcEO	VEB=6V	10max		μA
V(BR)CEO	Ic=10mA	150min	180min	V
hFE	VCE=10V, Ic=0.7A	60 to 240		
VCE(sat)	Ic=0.7A, Ib=70mA	1.0max		V
fr	VCE=12V, IE=-0.7A	120typ		MHz
COB	VcB=10V, f=1MHz	30typ		pF

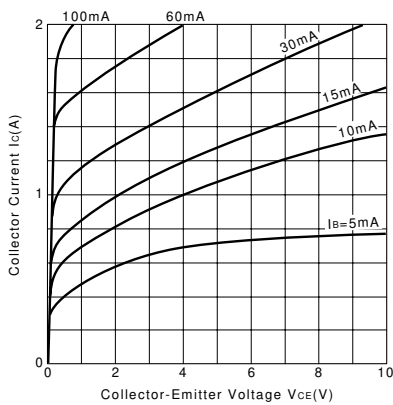
■ Typical Switching Characteristics (Common Emitter)

VCC (V)	RL (Ω)	Ic (A)	VBB1 (V)	VBB2 (V)	Ib1 (mA)	Ib2 (mA)	ton (μs)	tstg (μs)	tf (μs)
20	20	1	10	-5	100	-100	0.5typ	1.5typ	0.5typ

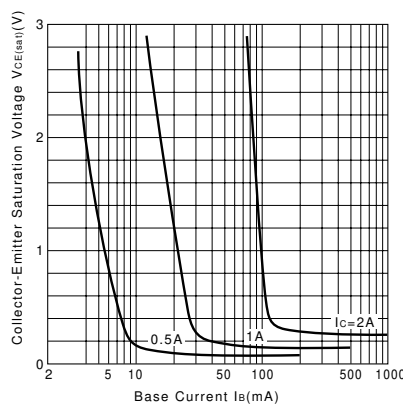
External Dimensions FM20(TO220F)



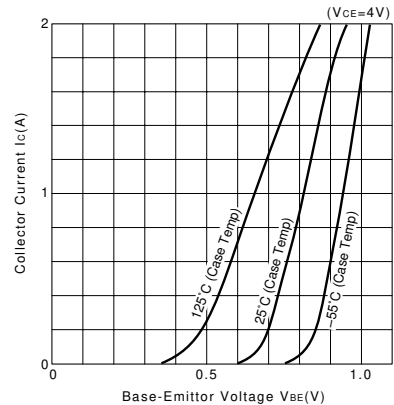
Ic-VCE Characteristics (Typical)



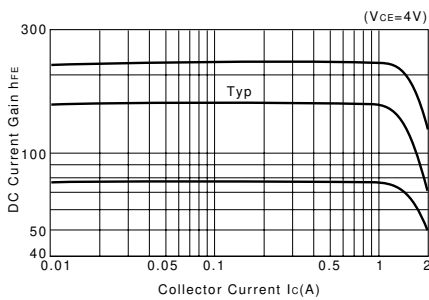
VCE(sat)-Ib Characteristics (Typical)



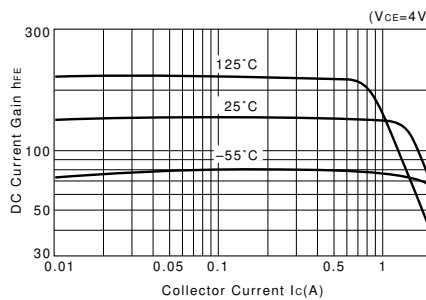
Ic-VBE Temperature Characteristics (Typical)



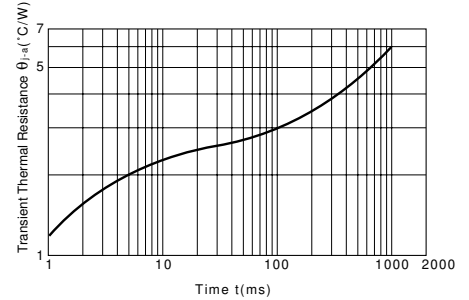
hFE-Ic Characteristics (Typical)



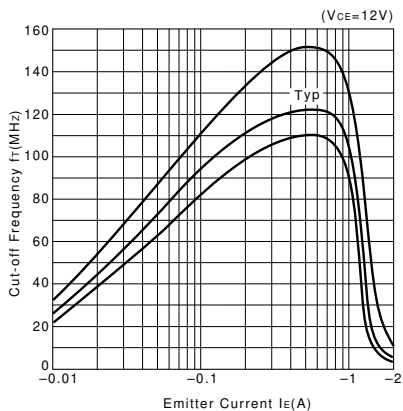
hFE-Ic Temperature Characteristics (Typical)



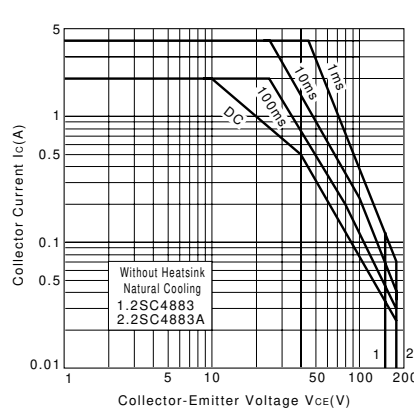
θj-a-t Characteristics



fr-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

