

dA

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

2SA1832-Y 2SA1832-GR

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Small Package
- Mounting:any position
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings @ T_a = 25℃(unless otherwise noted)

Symbol	Parameter	Value	Unit
Ic	Collector Current	-0.15	А
P_D	Total Device Dissipation	100	mW
TJ	Junction Temperature	150	$^{\circ}\!\mathbb{C}$
T _{STG}	Storage Temperature Range	-55 to +150	$^{\circ}\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARA	OFF CHARACTERISTICS			
V(BR)CEO	CEO Collector-Emitter Breakdown Voltage (I _C =-1mAdc,I _B =0)		V	
V(BR)CBO	Collector-Base Breakdown Voltage (I _C =-100uAdc,I _E =0)	-50		V
V(BR)EBO	Collector-Base Breakdown Voltage (I _E =-100uAdc,I _C =0)	-5.0		٧
І _{сво}	Collector-Base Cutoff Current (V _{CB} =-50Vdc, I _E =0)		-0.1	μAdc
I_{EBO} Emitter-Base Cutoff Current $(V_{EB}$ -5.0Vdc, I_{C} =0)			-0.1	uAdc

ON CHARACTERI	STICS
---------------	-------

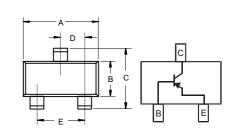
H _{FE}	DC Current Gain (I _C =-1.0mAdc, V _{CE} =-6.0Vdc)	120	400	
$V_{\text{CE(sat)}}$	Collector-Emitter Saturation Voltage (I _C =-100mAdc, I _B =-10mAdc)		-0.3	Vdc
F _T	Transition Frequency (VCE=-10Vdc,IC=-1mAdc,)	80		MHZ
C_{ob}	Collector Output Capacitance (VCB=-10Vdc,IE=0Adc,f=1MHZ)		7	PF

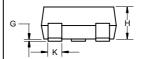
CLASSIFICATION OF hee

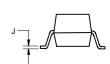
	-	
Rank	Υ	GR
Range	120-240	200-400
Marking	SY	SG

PNP Silicon Epitaxial Transistor









DIMENSIONS					
	INCHES		M	М	
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.059	.067	1.50	1.70	
В	.030	.033	0.75	0.85	
O	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nom	inal	
Е	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
Н	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	010	014	25	35	



Ordering Information:

Device	Packing
Part Number-TP	Tape & Reel; 3 Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.