



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- 150°C Junction Temperature
- Through Hole Package
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking:Type Number
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

- Case: TO-92, Molded Plastic
- Polarity: indicated as below.

Maximum Ratings @ 25°C Unless Otherwise Specified

Charateristic		Symbol	Value	Unit
Collector-Emitter Voltage	BC556		-65	
	BC557	V _{CEO}	-45	V
	BC558		-30	
Collector-Base Voltage	BC556		-80	
	BC557	V _{CBO}	-50	V
	BC558		-30	
Emitter-Base Voltage		V _{EBO}	-5.0	V
Collector Current(DC)		I _C	-100	mA
Power Dissipation@T _A =25°C		Р	625	mW
		r _d	5.0	mW/°C
Power Dissipation@T _c =25°C		D	1.5	W
		Гd	12	mW/°C
Thermal Resistance, Junction to Ambient Air		$R_{\theta JA}$	200	°C/W
Thermal Resistance, Junction to Case		R _{θJC}	83.3	°C/W
Operating & Storage Temperature		T _j , T _{STG}	-55~150	°C

BC556A/B/C BC557A/B/C BC558A/B/C



Amplifier Transistor

625mW





Micro Commercial Components

Parameter	•	Symbol	Test conditions	Min	Тур	Max	Unit
Collector base	BC556			-80			
breakdown voltage	BC557	V _{(BR)CBO} I _C = -0.1mA,I _E =0	-50			V	
	BC558			-30			
Collector emitter	BC556	V _{(BR)CEO} I _C	V _{(BR)CEO} I _C =-2mA,I _B =0	-65			
breakdown voltage	BC557			-45			V
	BC558			-30			
Emitter-base breakdown v	oltage	V _{(BR)EBO}	I _E =-100μA,I _C =0	-5			V
Collector cut-off current	BC556	I _{CBO}	V _{CB} =-70V,I _E =0			-0.1	μA
	BC557		V _{CB} =-45V,I _E =0			-0.1	μA
	BC558		V _{CB} =-25V,I _E =0			-0.1	μA
Collector cut-off current	BC556	I _{CEO}	V _{CE} =-60V,I _B =0			-0.1	μA
	BC557		V _{CE} =-40V,I _B =0			-0.1	μA
	BC558		V _{CE} =-25V,I _B =0			-0.1	μA
Emitter cut-off current		I _{EBO}	V _{EB} =-5V,I _C =0			-0.1	μA
DC current gain		h _{FE} *	V _{CE} =-5V, I _C =-2mA	120		800	
Collector-emitter saturation voltage		V _{CE(sat)}	I _C =-10mA,I _B =-0.5mA			-0.3	V
			I _C =-100mA,I _B =-5mA			-0.65	V
		V	I_{C} =-10mA, I_{B} =-0.5mA			-0.8	V
base-emitter saturation vo	ntage	V BE(sat)	I _C =-100mA,I _B =-5mA			-1	V
Base-emitter voltage		V _{BE}	V _{CE} =-5V, I _C =-2mA	-0.55		-0.7	V
			V _{CE} =-5V, I _C =-10mA			-0.82	V
Collector output capacitan	ice	C _{ob}	V _{CB} =-10V,I _E =0, f=1MHz			6	pF
Transition frequency	BC556		f _T Vce=-5V,Ic=-10mA, f=100MHz		150		MHz
	BC557	f _T			150		MHz
	BC558			150		MHz	

ELECTRICAL CHARACTERISTICS (T_a=25[°]C unless otherwise specified)

CLASSIFICATION of h_{FE}

RANK	Α	В	С	
RANGE	120-220	180-460	420-800	



BC556A thru BC558C



Micro Commercial Components

BC557/BC558



BC556A thru BC558C



Micro Commercial Components





Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for RF Bipolar Transistors category:

Click to view products by Micro Commercial Components (MCC) manufacturer:

Other Similar products are found below :

 MAPRST0912-50
 MCH4016-TL-H
 MMBT5551-G
 PH3135-90S
 MRF10120
 MRF587
 15GN01CA-TB-E
 BFR 360L3 E6765
 PH1214

 100EL
 PH1214-25M
 2SA1257-5-TB-E
 MAPRST0912-350
 MCH4014-TL-H
 MMBTH10-TP
 BFP 420F H6327
 BFP 620F H7764
 BFP 640F

 H6327
 BFP 720F H6327
 BFP 740F H6327
 BFR 340L3 E6327
 BFR 360F H6765
 BFR 740L3RH E6327
 PH2729-25M
 MRF10031

 NSVF4009SG4T1G
 DSC5G02D0L
 BFP 182R E7764
 BFP405H6740XTSA1
 MRF10350
 MRF321
 PH2729-65M
 MRF317
 ASMA201

 MCH4015-TL-H
 BF888H6327XTSA1
 MMBT2222A-G
 BFP196WH6327XTSA1
 BFP405FH6327XTSA1
 BFP640ESDH6327XTSA1

 BFR505T,115
 BFU550WX
 BFU550XRR
 BFU580QX
 MRF10150
 55GN01FA-TL-H
 NSVF6003SB6T1G
 MMBT5179

 MS1406
 STBV32-AP
 STBV32-AP
 MRF10150
 STGN1FA-TL-H
 NSVF4020SG4T1G
 NSVF6003SB6T1G
 MMBT5179