



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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

2SC4215-R 2SC4215-O 2SC4215-Y

Features

- Small reverse transfer capacitance: Cre= 0.55pF(typ.)
- Low Voise figure: NF=2dB (typ.) (f=100 MHz)
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	30	V
V_{CBO}	Collector-Base Voltage	40	V
V_{EBO}	Emitter-Base Voltage	4	V
Ic	Collector Current	20	mA
Pc	Collector power dissipation	100	mW
T_{J} , T_{STG}	Junction and Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

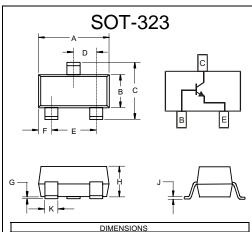
Electrical Characteristics $@25^{\circ}$ Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units
$V_{(BR)CBO}$	Collector -base breakdown voltage $(I_C=100\mu A,I_E=0)$	40			V
V _{(BR)CEO}	Collector-emitter breakdown voltage $(I_C=1 \text{mA}, I_B=0)$	30			V
$V_{(BR)EBO}$	Emitter-base breakdown voltage (I _E =100μA, I₀= 0)	4			V
І _{сво}	Collector cut-off current (V _{CB} =40V,I _E =0)			0.1	μΑ
I _{EBO}	Emitter cut-off current $(V_{EB}=4V, I_c=0)$			0.5	μΑ
h _{FE}	DC Current Gain (V _{CE} =6V,I _C =1mA)	40		200	
C _{C rbb}	Collector-base time constant (V _{CE} =6V, I _C =1mA,f=30MHz)			25	ps
C _{re}	Reverse transfer capacitance (V _{CB} =10V, f=1.0MHz)		0.55		pF
f⊤	Transition frequency (V _{CE} =6V, Ic=1mA,)	260	550		MHz

he CLASSIFICATION

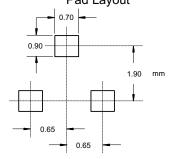
Rank	R	0	Υ
Ramge	40~80	70~140	100~200
Marking	QR	QO	QY

NPN Silicon Epitaxial Transistors



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.071	.087	1.80	2.20	
В	.045	.053	1.15	1.35	
С	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
Е	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
Н	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

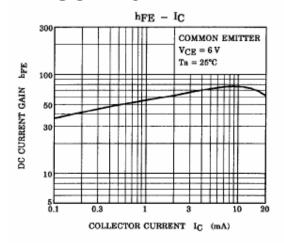
Suggested Solder Pad Layout

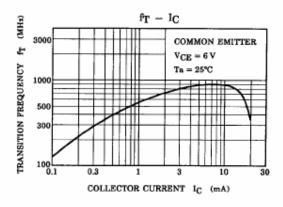


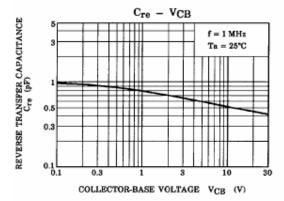


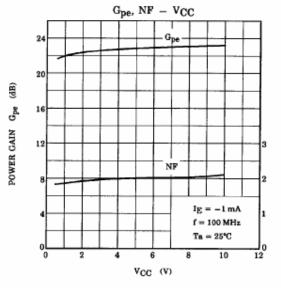
2SC4215

Micro Commercial Components

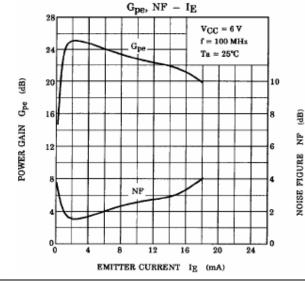


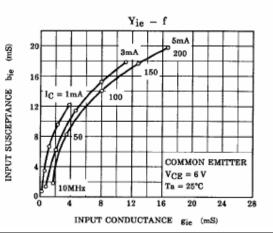














Ordering Information:

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

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.

Revision: A