

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth

CA 91311

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

2SC2712-O 2SC2712-Y 2SC2712-GR 2SC2712-BL

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Complementary to 2SA1162
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	50	V
V_{CBO}	Collector-Base Voltage	60	V
V_{EBO}	Emitter-Base Voltage	5.0	V
Ic	Collector Current	150	mA
Pc	Collector power dissipation	150	mW
T_J	Junction Temperature	-55 to +150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

Flectrical Characteristics @ 25°C Unless Otherwise Specified

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Symbol	Parameter	Min	Тур	Max	Units
OFF CHARACTERISTICS					
I _{CBO}	Collector Cutoff Current (V _{CB} =60Vdc,I _E =0)			0.1	μA
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _C =0)			0.1	μA

ON CHARACTERISTICS

V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1mA, I _B =0)	50			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _c =100µA, I _E =0)	60			V
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I_E =100 μ A, I_C =0) 5.0				V
h _F	DC Current Gain* (I _C =2mAdc, V _{CE} =6.0Vdc)	70		700	
$V_{CE(sat)}$	Collector Saturation Voltage* (I _C =-100mAdc, I _B =10mAdc)		0.1	0.25	V
Cob	Output Capacitance (V _{CB} =10V, I _E =0, f=1MHz)		2.0	3.5	pF
f⊤	Gain Bandwidth product (V _{CE} =10Vdc, I _C =1mAdc)	80			MHz
NF	Noise Figure V_{CE} =6 V , I_{C} =0.1mA, f=1KHz, R_{g} =10K Ω)		1.0	10	dB

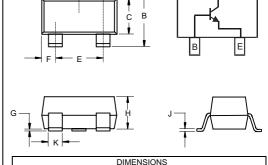
CLASSIFICATION OF her

Rank	0	Υ	GR	BL
Range	70-140	120-240	200-400	350-700
Marking	LO	LY	LG	LL

NPN Plastic-Encapsulate

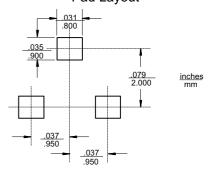


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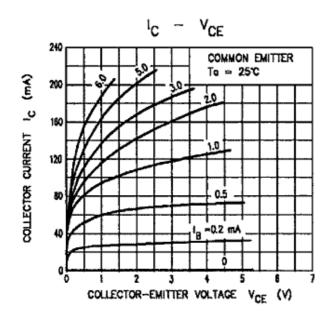


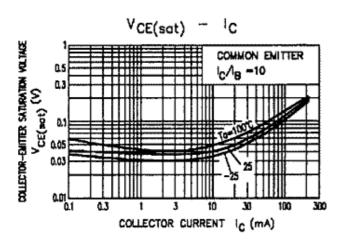
DIMENTOION					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.104	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
Е	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Ι	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

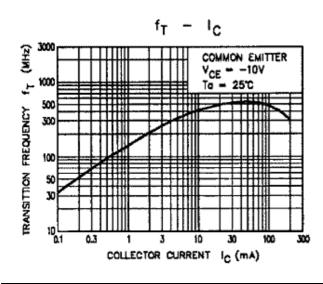
Suggested Solder Pad Layout

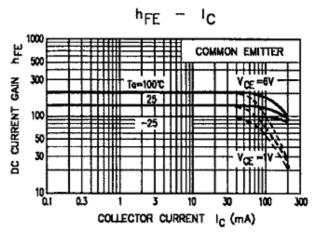


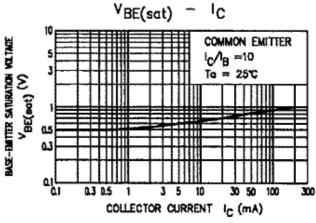


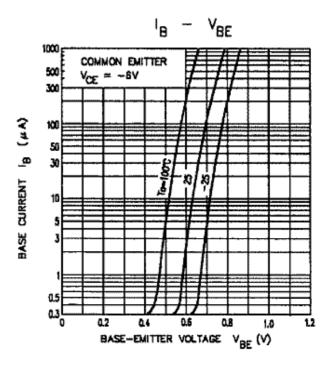














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Ordering Information:

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

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