



Micro Commercial Components



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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
- Moisture 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
I _C	Collector Current	150	mA
P _C	Collector power dissipation	150	mW
T _J	Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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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

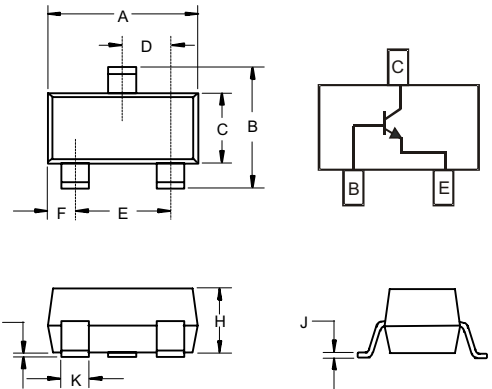
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1mA, I _B =0)	50	---	---	V
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100μA, I _E =0)	60	---	---	V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =100μA, I _C =0)	5.0	---	---	V
h _F	DC Current Gain* (I _C =2mAdc, V _{CE} =6.0Vdc)	70	---	700	---
V _{CE(sat)}	Collector Saturation Voltage* (I _C =100mAdc, I _B =10mAdc)	---	0.1	0.25	V
C _{ob}	Output Capacitance (V _{CB} =10V, I _E =0, f=1MHz)	---	2.0	3.5	pF
f _T	Gain Bandwidth product (V _{CE} =10Vdc, I _C =1mAdc)	80	---	---	MHz
NF	Noise Figure (V _{CE} =6V, I _C =0.1mA, f=1KHz, R _g =10KΩ)	---	1.0	10	dB

CLASSIFICATION OF h_{FE}

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

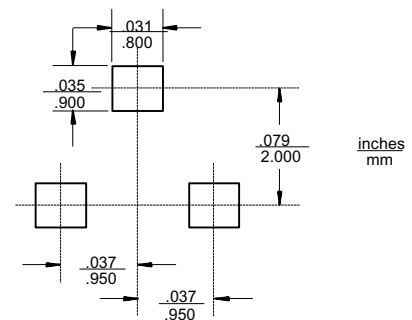
NPN Plastic-Encapsulate Transistors

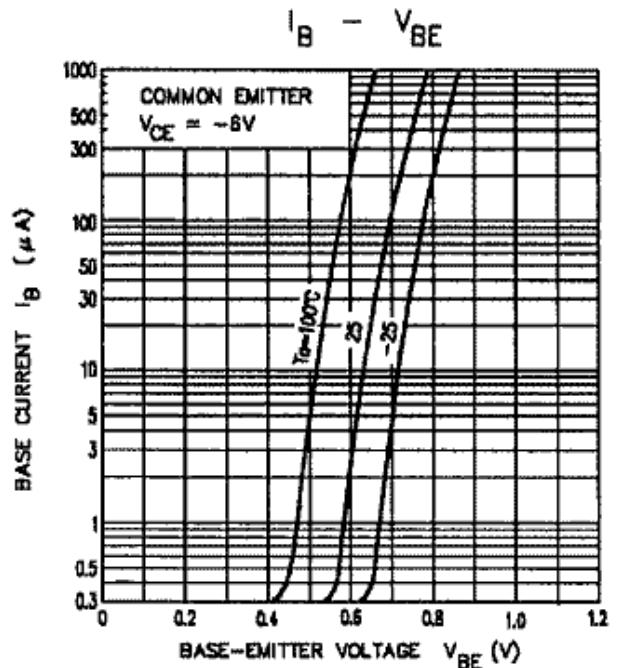
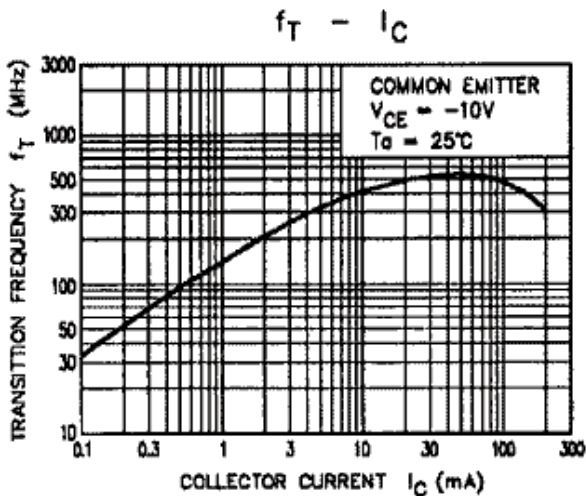
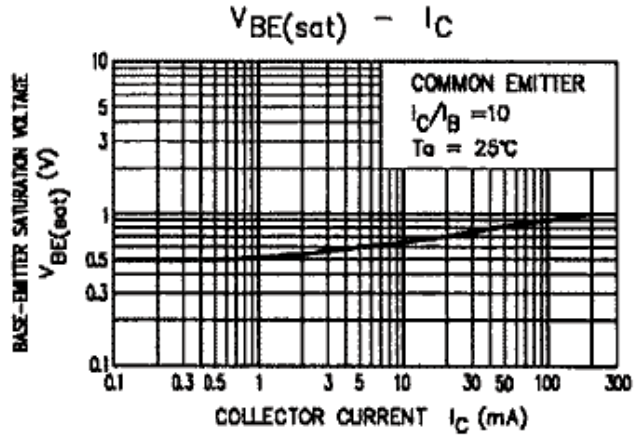
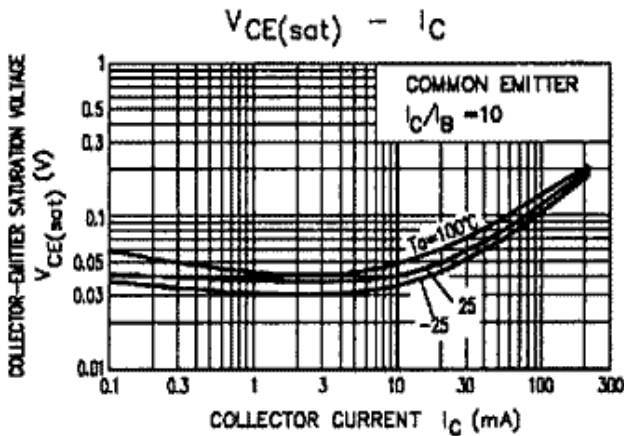
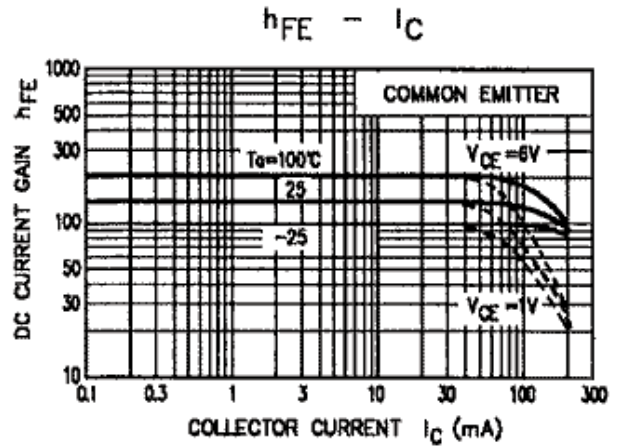
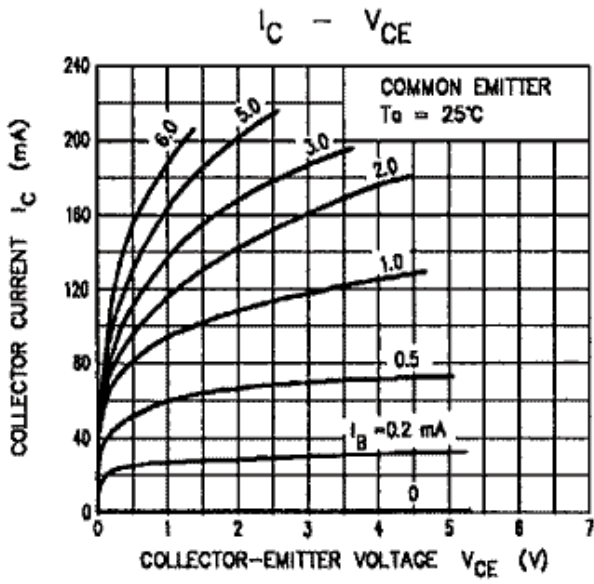
SOT-23



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.110	.120	2.80	3.04	
B	.083	.098	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout







TM

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Ordering Information :

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

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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