



Micro Commercial Components



Micro Commercial Components
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2SC2668-R
2SC2668-O
2SC2668-Y

Features

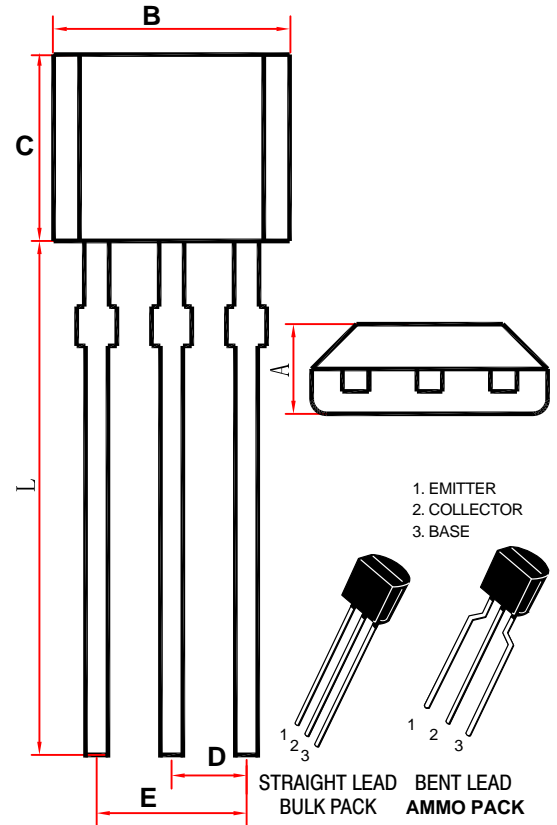
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Small Reverse Transfer Capacitance
Low Noise Figure
Halogen free available upon request by adding suffix "-HF"

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Table with 5 columns: Symbol, Parameter, Value, Unit, and an empty column. Rows include V_CBO, V_CEO, V_EBO, I_C, P_C, T_J, and T_stg.

NPN
Plastic-Encapsulate
Transistors

TO-92S



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, B, C, D, E, and L.

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

2SC2668-R/O/Y

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = 100μA, I _E = 0	40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = 1mA, I _B = 0	30			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = 100μA, I _C = 0	4			V
Collector cut-off current	I _{CBO}	V _{CB} = 40V, I _E = 0			0.5	μA
Emitter cut-off current	I _{EBO}	V _{EB} = 4V, I _C = 0			0.5	μA
DC current gain	h _{FE}	V _{CE} = 6V, I _C = 1mA	40		200	
Reverse Transfer Capacitance	C _{re}	V _{CE} = 6V, f = 1MHz		0.7		pF
Collector-Base Time Constant	C _c · r _{bb} '	V _{CE} = 6V, I _E = -1mA, f = 30MHz			30	ps
Transition frequency	f _T	V _{CE} = 6V, I _C = 1mA		550		MHz
Power Gain	G _{pe}	V _{CC} = 6V, I _C = 1mA, f = 100MHz		18		dB
Noise figure	NF	V _{CC} = 6V, I _C = 1mA, f = 100MHz			5	dB

CLASSIFICATION OF h_{FE}

Rank	R	O	Y
Range	40-80	70-140	100-200



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 30Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

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

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