查询"2SC5212"供应商

(SMALL-SIGNAL TRANSISTOR)

FOR HIGH CURRENT DRIVE APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

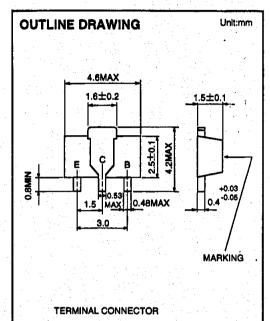
2SC5212 is a resin sealed silicon NPN epitaxial type transistor. It designed with high collector current and small VCE(sat). Complementary with 2SA1946.

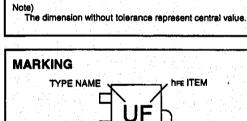
FEATURE

- Low collector saturation voltage VCE(sat)=0.2V typ
- High fτ fτ=180MHz typ
- Excellent linearity of DC forward current gain
- High collector current ICM=1A
- Small package for mounting

APPLICATION

For relay drive, small motor drive, power supply application.





LOT No.

EIAJ : SC-62 JEDEC :--

E : EMITTER C : COLLECTOR B : BASE

MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit		
Vсво	Collector to Base voltage	25	· · · · · · · · · · · · · · · · · · ·		
VEBO	Emitter to Base voltage	4	V		
VCEO	Collector to Emitter voltage	20	V		
Ісм	Peak collector current	1	A		
lc	Collector current	700			
Pc	Collector dissipation(Ta=25°C)	500	mW		
Tj	Junction temperature	+150	Ċ		
Tstg	Storage temperature	-55 to +150	°C		

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions			Limits			Unit
Symbol		i est conditions			Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	IC=10 μ A,IE=0			25			V
V(BR)EBO	E to B break down voltage	IE=10 μ A,IC=0			4			V
V(BR)CEO	C to E break down voltage	IC=100 µ A,RBE=∞			20			- V.
ICBO	Collector cut off current	Vcb=25V,IE=0	1		1.44		1	μA
IEBO	Emitter cut off current	VBE=2V,IC=0	· · · ·				1	μA
hfe *	DC forward current gain	VCE=4V,IC=100mA			150		800	
VCE(sat)	C to E saturation voltage	Ic=500mA,IB=25mA				0.2	0.5	V
fr	Gain band width product	VCE=6V,IE=-10mA				180		MHz
1 it shows h	TFE classification in right table.		Mantina	UE		1 1 P		
			Marking			UF	·	UG
			hFE	150 to	300	250 to 500	0 400) to 800

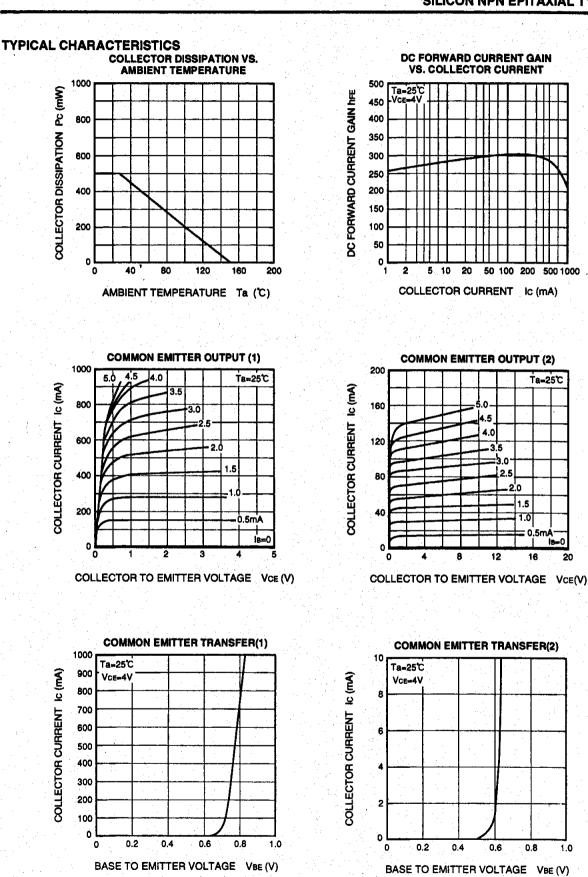
ISAHAYA ELECTRONICS CORPORATION

(SMALL-SIGNAL TRANSISTOR)

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http://www.idc-com.co.jp 6-41, TSUKUBA, ISAHAYA, NAGASAKI, 854-0065, JAPAN

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