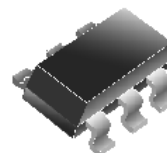


RoHS Compliant Product
A suffix of "-C" specifies halogen and lead free

FEATURES

- Two 2SC2412K chips in a package

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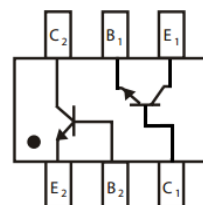


MARKING

X3

PACKAGING DIMENSION

Package	MPQ	Leader Size
SOT-363	3K	7 inch



ORDER INFORMATION

Part Number	Type
UMX3N-C	Lead (Pb)-free and Halogen-free

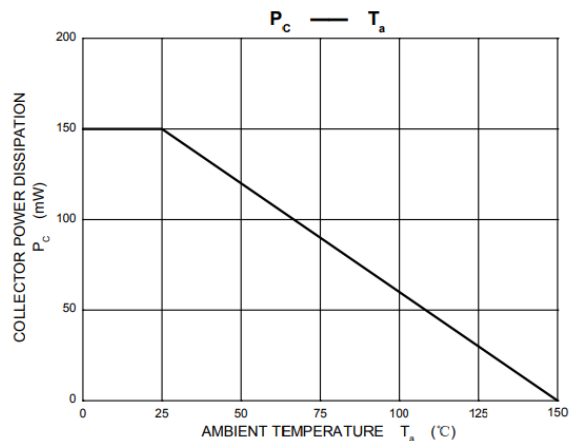
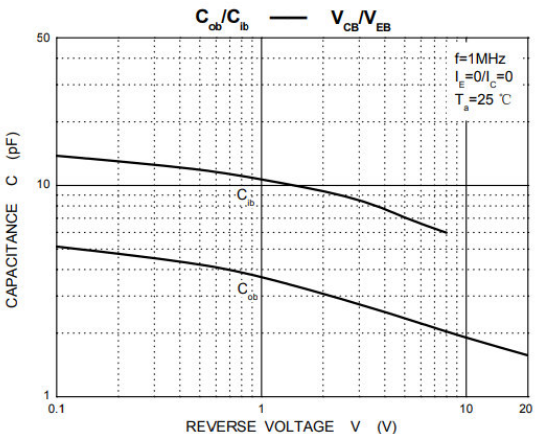
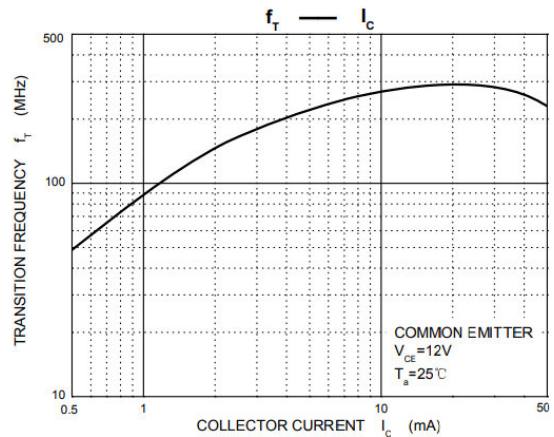
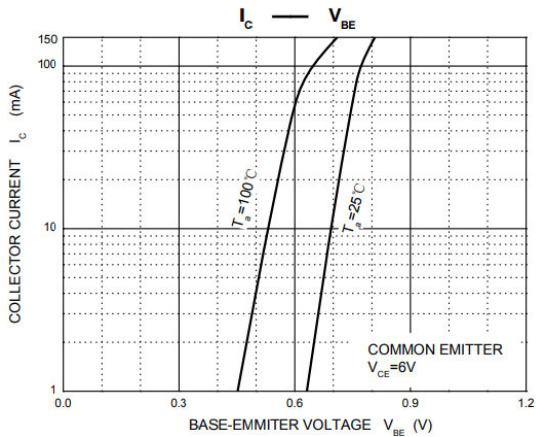
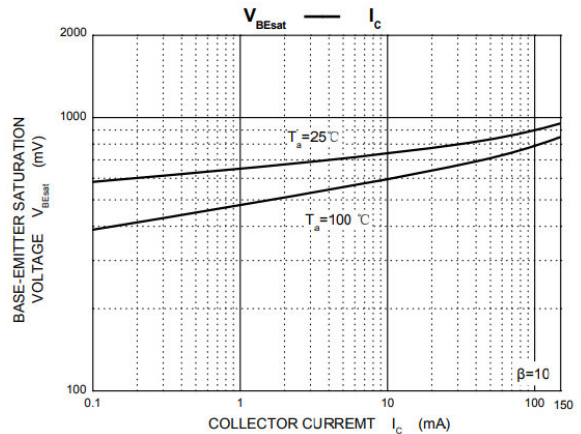
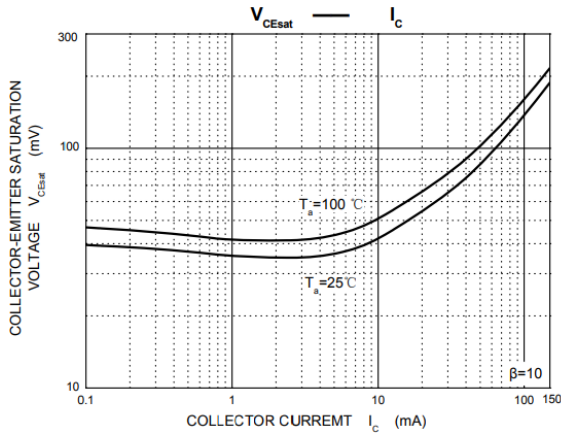
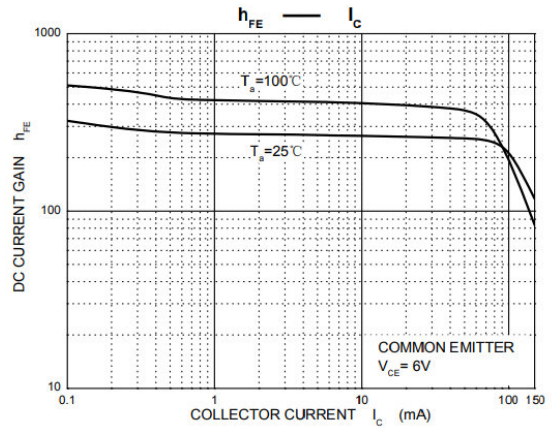
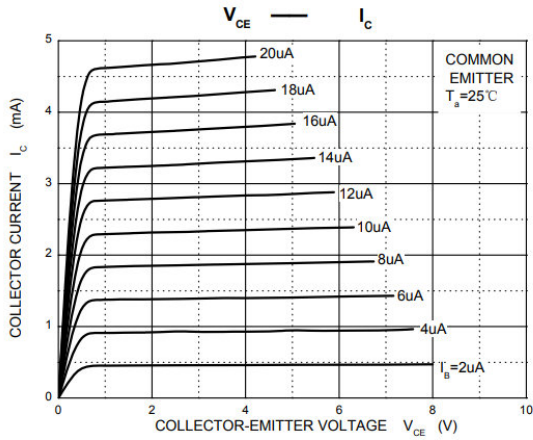
ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Collector-Base Voltage	V _{CBO}	60	V
Collector-Emitter Voltage	V _{CEO}	50	V
Emitter-Base Voltage	V _{EBO}	7	V
Collector Current-Continuous	I _C	150	mA
Power Dissipation	P _D	150	mW
Junction, Storage Temperature Range	T _J , T _{STG}	-55~150	°C

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

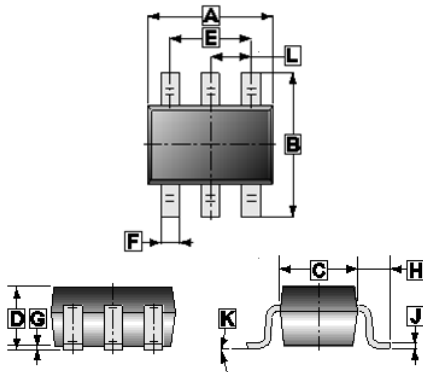
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	60	-	-	V	I _C =50μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	50	-	-		I _C =1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	7	-	-		I _E =50μA, I _C =0
Collector Cut-off Current	I _{CBO}	-	-	0.1	μA	V _{CB} =60V, I _E =0
Emitter Cut-off Current	I _{EBO}	-	-	0.1		V _{EB} =7V, I _C =0
DC Current Gain	h _{FE}	120	-	560		V _{CE} =6V, I _C =1mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}	-	-	0.4	V	I _C =50mA, I _B =5mA
Transition Frequency	f _T	-	180	-	MHz	V _{CE} =12V, I _C =-2mA, f=100MHz
Output Capacitance	C _{ob}	-	2	3.5	pF	V _{CB} =12V, I _E =0, f=1MHz

CHARACTERISTIC CURVES



PACKAGE OUTLINE DIMENSIONS

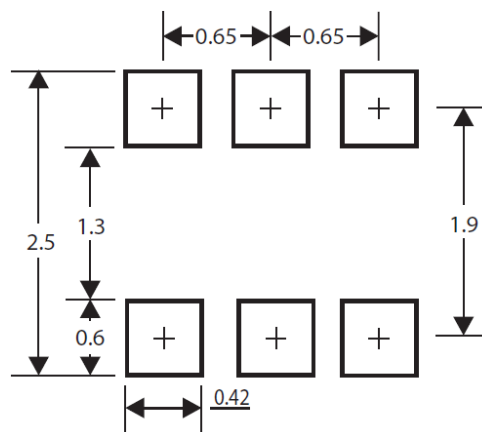
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REF.	Millimeter	
	Min.	Max.
A	1.80	2.20
B	1.80	2.45
C	1.15	1.35
D	0.70	1.10
E	1.30 REF.	
F	0.10	0.35
G	0.10 REF.	
H	0.525 REF.	
J	0.05	0.25
K	8°	
L	0.65 TYP.	

MOUNTING PAD LAYOUT

SOT-363



*Dimensions in millimeters