■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
UMZ1N	F2	Approximate 0.009g	3000	30000	120000	7" reel

■TR1 NPN Pin1 2 6 Maximum Ratings (Ta=25 Unless otherwise specified

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	VCBO	V	IC=50μA,IE=0	60
Collector-Emitter Voltage	VCEO	V	IC =1mA,IB=0	50
Emitter-Base Voltage	VEBO	V	IE=50μA,IC=0	7
Collector Current -Continuous	IC	mA		150
Total Device Dissipation	PC	mW		200
Junction Temperature	Tj			150
Storage Temperature	TSTG			-55 to +150

■TR1 NPN Pin1 2 6 Electrical Characteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	TYP	Max
Collector-base breakdown voltage	V_{CBO}	V	IC=50μA,IE=0	60		
Collector-emitter breakdown voltage	V_{CEO}	V	IC =1mA,IB=0	50		
Emitter-base breakdown voltage	V_{EBO}	V	IE=50μA,IC=0	7		
Collector cut-off current	I_{CBO}	nA	VCB=60V,IB=0			100
Collector cut-off current	I_{EBO}	nA	VEB=7V, IC=0			100
DC current gain	h_{FE}		VCE=6V,IC=1mA	120		560
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	IC=50mA,IB=5mA			0.4
Transition frequency	fT	MHz	VCE=12V,IC=-2mA,f=100MHz		180	
Output capacitance	Cob	pF	VCB=12V,IE=0A,f=1MHz			3.5

■TR2 PNP Pin3 4 5 Maximum Ratings (Ta=25 Unless otherwise specified

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	VCBO	V	IC=-50μA,IE=0	-60
Collector-Emitter Voltage	VCEO	V	IC =-1mA,IB=0	-50
Emitter-Base Voltage	VEBO	V	IE=-50μA,IC=0	-6
Collector Current	IC	mA		-150
Total Device Dissipation	PC	mW		200
Junction Temperature	Tj			150
Storage Temperature	TSTG			-55 to +150

■TR2 PNP Pin3 4 5 Electrical Characteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	TYP

y TR2 PNP Pin3 4 5 Characteristics (Typical)

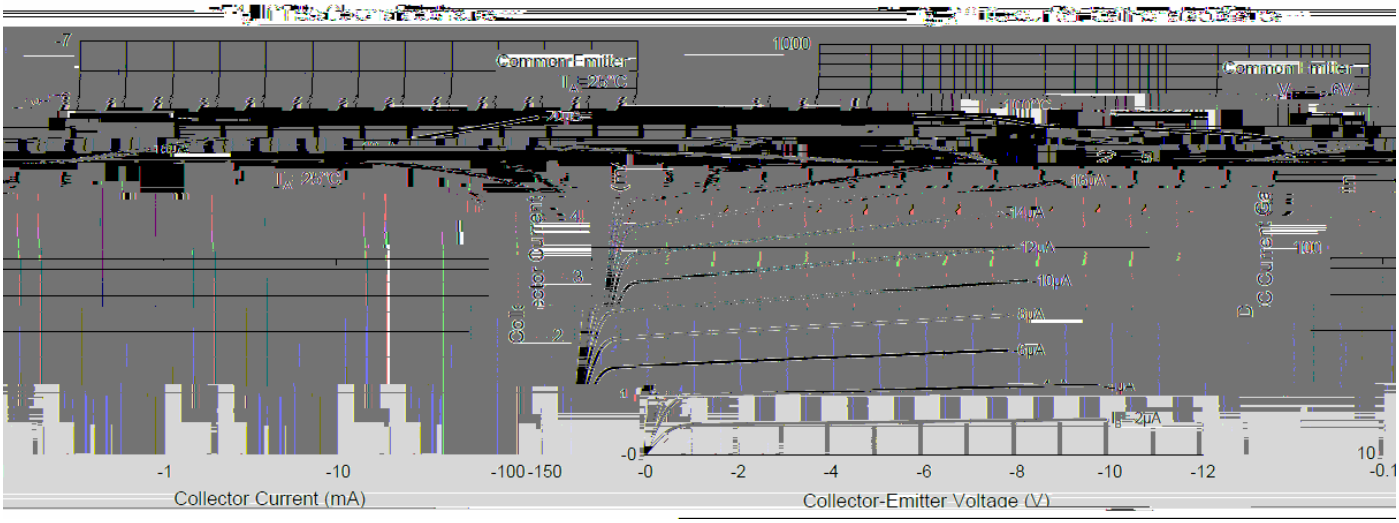


Fig. 3 - Base-

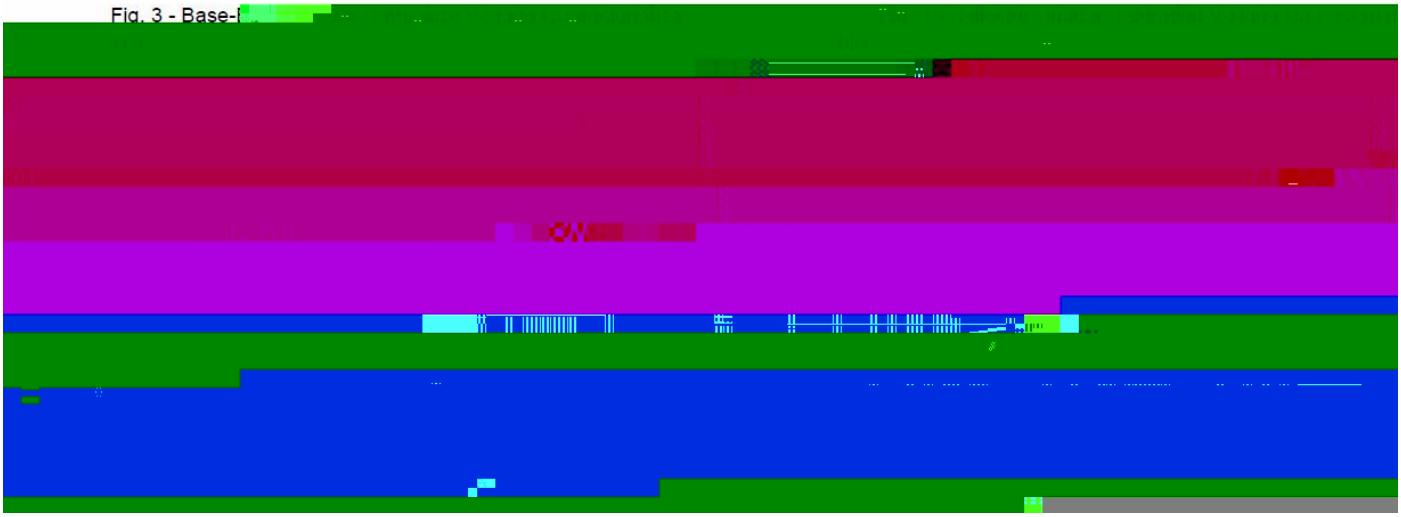
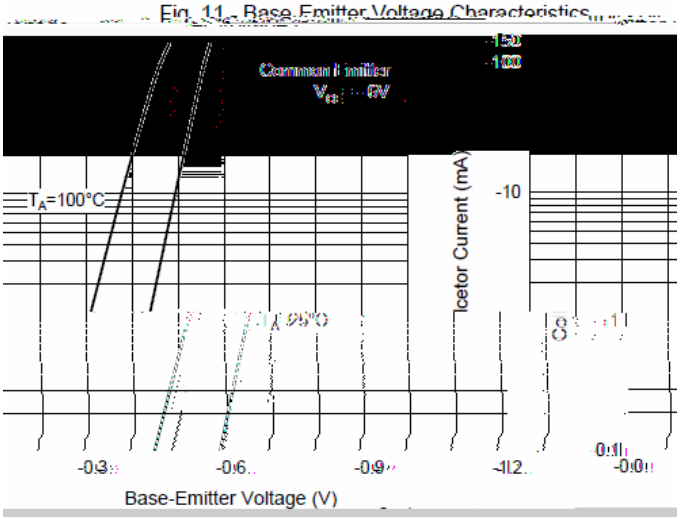
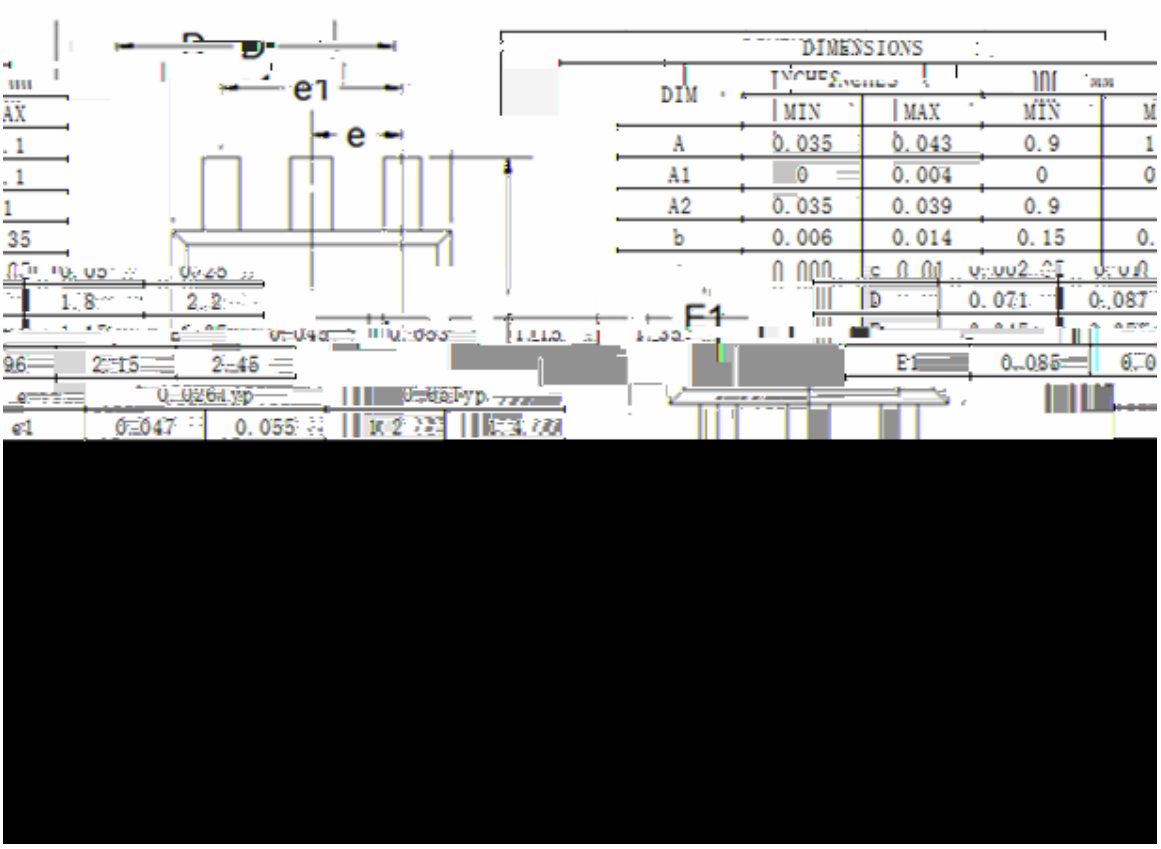


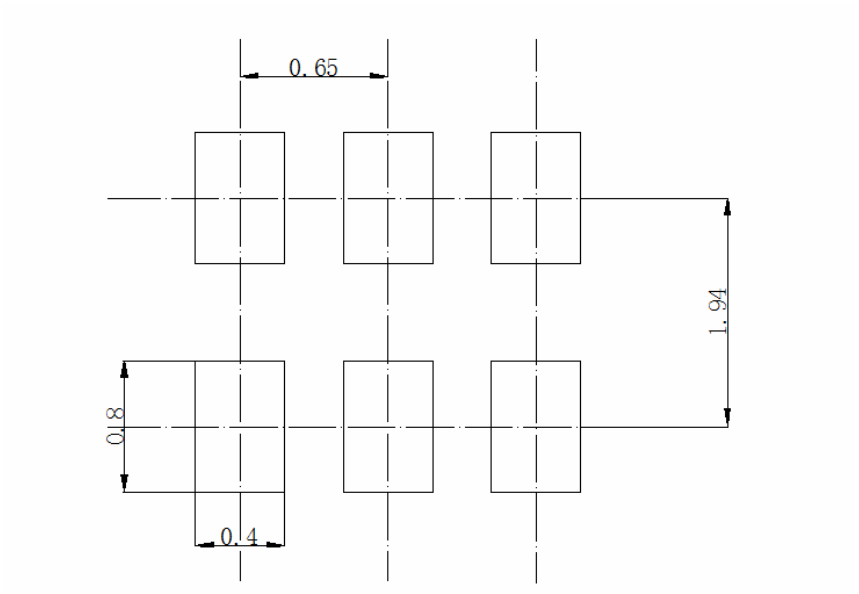
Fig. 11 - Base Emitter Voltage Characteristics



■SOT-363 Package Outline Dimensions



ɣSOT-363 Soldering Footprint



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