



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components

Micro Commercial Components
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DMMT5551

Features

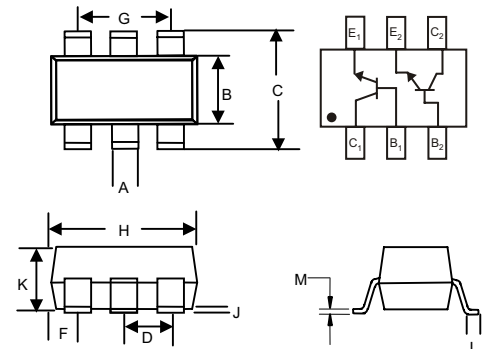
- Surface Mount SOT-363 Package
- 200mWatts of Power Dissipation
- Ideal for Medium Power Amplification and Switching
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Marking:K4R

Plastic-Encapsulate Transistors

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	160	V
V _{CBO}	Collector-Base Voltage	180	V
V _{EBO}	Emitter-Base Voltage	6.0	V
I _C	Collector Current-Continuous	0.2	A
P _D	Power Dissipation	0.2	W
T _J	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

SOT-363



OFF CHARACTERISTICS

V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =-1.0mAdc, I _B =0)	160	---	Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100µA, I _E =0)	180		Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =10µAdc, I _C =0)	6.0		Vdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =4Vdc, I _C =0)		50	nAdc
I _{CBO}	Collect Cutoff Current (V _{CB} =120Vdc, I _E =0)		50	nAdc

ON CHARACTERISTICS

h _{FE}	DC Current Gain* (I _C =1mAdc, V _{CE} =5.0Vdc) (I _C =10mAdc, V _{CE} =5.0Vdc)	80 80	250	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =10mAdc, I _B =1.0mAdc)		0.15	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =10mAdc, I _B =1.0mAdc)		1.0	Vdc

SMALL-SIGNAL CHARACTERISTICS

f _r	Current Gain-Bandwidth Product (I _C =10mAdc, V _{CE} =10Vdc, f=100MHz)	100	300	MHz
C _{obo}	Output Capacitance (V _{CB} =10Vdec, I _E =0, f=1.0MHz)		6.0	pF
Noise figure	R _g =1kohm V _{CE} =5Vdec, I _C =200µA, f=1KHz, R=1KOHM		8.0	NF

DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.004	.012	0.10	0.30	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026		0.65Nominal		
F	.012	.016	0.30	0.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	



Micro Commercial Components

Ordering Information

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

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