



MMDT4403

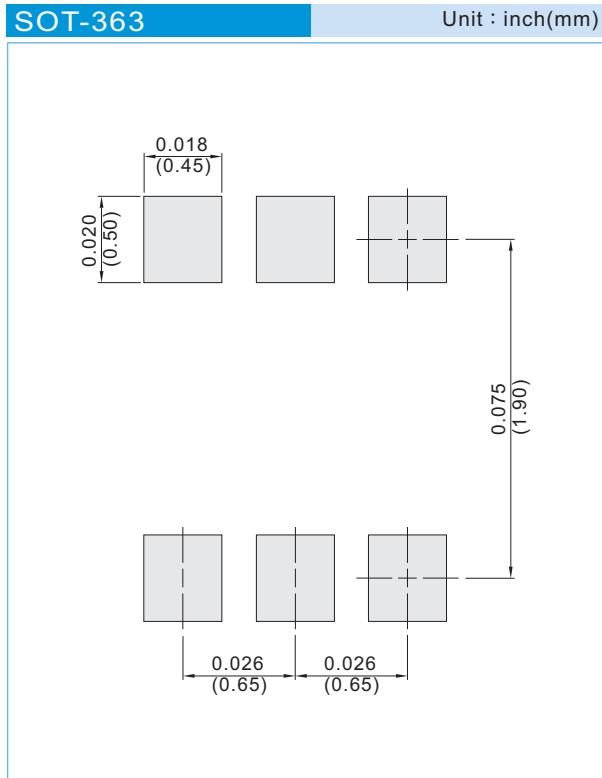
ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Collector - Emitter Breakdown Voltage	V _{(BR)CEO}	I _C =-1.0mA, I _B =0	-40	-	-	V
Collector - Base Breakdown Voltage	V _{(BR)CBO}	I _C =-100μA, I _E =0	-40	-	-	V
Emitter - Base Breakdown Voltage	V _{(BR)EBO}	I _E =-100μA, I _C =0	-5.0	-	-	V
Base Cutoff Current	I _{BL}	V _{CE} =-35V, V _{EB} =-0.4V	-	-	-100	nA
Collector Cutoff Current	I _{CEx}	V _{CE} =-35V, V _{EB} =-0.4V	-	-	-100	nA
DC Current Gain (Note 2)	h _{FE}	I _C =-0.1mA, V _{CE} =-1.0V	30	-	-	-
		I _C =-1.0mA, V _{CE} =-1.0V	60	-	-	
		I _C =-10mA, V _{CE} =-1.0V	100	-	-	
		I _C =-150mA, V _{CE} =-2.0V	100	-	300	
		I _C =-500mA, V _{CE} =-2.0V	20	-	-	
Collector - Emitter Saturation Voltage (Note 2)	V _{CE(SAT)}	I _C =-150mA, I _B =-15mA I _C =-500mA, I _B =-50mA	-	-	-0.40 -0.75	V
Base - Emitter Saturation Voltage (Note 2)	V _{BE(SAT)}	I _C =-150mA, I _B =-15mA I _C =-500mA, I _B =-50mA	0.75 -	- -	-0.95 -1.30	V
Collector - Base Capacitance	C _{CBO}	V _{CB} =-5V, I _E =0, f=1MHz	-	-	6.5	pF
Emitter - Base Capacitance	C _{EBO}	V _{CB} =-0.5V, I _C =0, f=1MHz	-	-	30	pF
Current Gain - Bandwidth Product	F _T	V _{CE} =-10V, I _C =-20mA, f=100MHz	200	-	-	MHz
Delay Time	t _d	V _{CC} =-30V, V _{BE} =-2.0V, I _C =-150mA, I _{B1} =-15mA	-	-	15	ns
Rise Time	t _r	V _{CC} =-30V, V _{BE} =-2.0V, I _C =-150mA, I _{B1} =-15mA	-	-	20	ns
Storage Time	t _s	V _{CC} =-30V, I _C =-150mA I _{B1} =I _{B2} =-15mA	-	-	225	ns
Fall Time	t _f	V _{CC} =-30V, I _C =-150mA I _{B1} =I _{B2} =-15mA	-	-	30	ns



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 10K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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