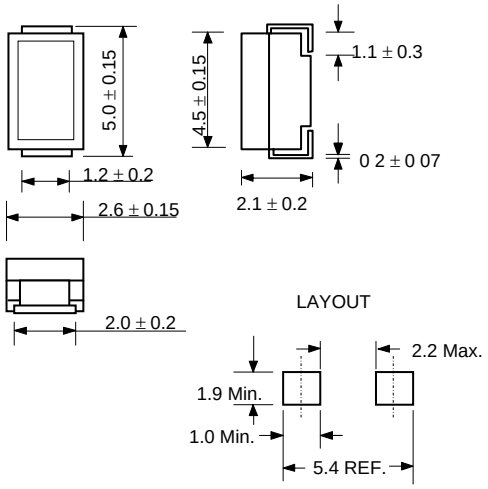
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SD32

SURFACE MOUNT DIACS - BI-DIRECTIONAL TRIGGER

V_{BR} : 32 Volts

SMA (DO-214AC)



Dimensions in millimeter

FEATURES :

* High current capability
* High reliability
* Low leakage current
* Low power dissipation
* Pb / RoHS Free

MECHANICAL DATA :

* Case : SMA Molded plastic
* Epoxy : UL94V-O rate flame retardant
* Lead : Lead Formed for Surface Mount
* Mounting position : Any
* Weight : 0.067 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

RATING	SYMBOL	VALUE	UNIT
Minimum Breakover Voltage	$V_{BR(Min.)}$	27	V
Typical Breakover Voltage	$V_{BR(Typ.)}$	32	V
Maximum Breakover Voltage	$V_{BR(Max.)}$	37	V
Maximum Peak Pulse Current	I_{TRM}	2.0	A
Maximum Breakover Voltage Symmetry	$[V_{(BR)1}] - [V_{(BR)2}]$	3.0	V
Minimum Dynamic Breakback Voltage	$\mid \Delta V \pm \mid$	5.0	V
Maximum Breakover Current	$I_{(BR)1}$ & $I_{(BR)2}$	100	µA
Power Dissipation @ Ta = 50°C	P_D	300	mW
Maximum Leakage Current	I_B	10	µA
Junction Temperature Range	T_J	- 40 to + 100	°C
Storage Temperature Range	T_{STG}	- 40 to + 125	°C

Note :

(1) For 10µs @ 120Hz repetition rate, Ta ≤ 40°C

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