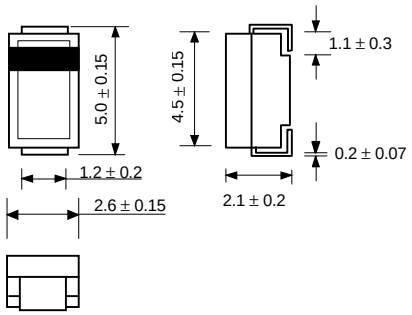
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AD600V

AVALANCHE DIODE

SMA (DO-214AC)



Dimensions in millimeter

FEATURES :

* Avalanche Diode 600 Volts
* Low Capacitance
* Pb / RoHS Free

MECHANICAL DATA :

* Case : SMA (DO-214AC) Molded plastic
* Epoxy : UL94V-O rate flame retardant
* Lead : Lead formed for Surface mount
* Polarity : Color band denotes cathode end
* Mounting position : Any
* Weight : 0.064 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Maximum Working Peak Reverse Voltage	V_{RWM}	550	V
Maximum Breakdown Voltage (It = 50 µA)	$V_{BR(max)}$	630	V
Minimum Breakdown Voltage (It = 50 µA)	$V_{BR(min)}$	570	V
Maximum Repetitive Peak Reverse Surge Current	I_{RSM}	100	µA
Maximum Clamping Voltage @ I_{RSM}	V_{RSM}	650	V
Maximum Reverse Current at V_{RWM}	I_R	5.0	µA
Typical Junction capacitance at V_{RWM}	C_{rev}	10	pF
Maximum Temperature Co-efficient of V_{BR}		0.1	%/°C
Junction Temperature Range	T_J	- 40 to + 150	°C
Storage Temperature Range	T_{STG}	- 40 to + 150	°C

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