

SOD-323 PACKAGED RESISTORS

PSOD SERIES RESISTORS

SOD-323 Style packaged thin film resistors have been designed to established industry dimensional standards. They feature Mini-Systems' exceptional electrical characteristics.

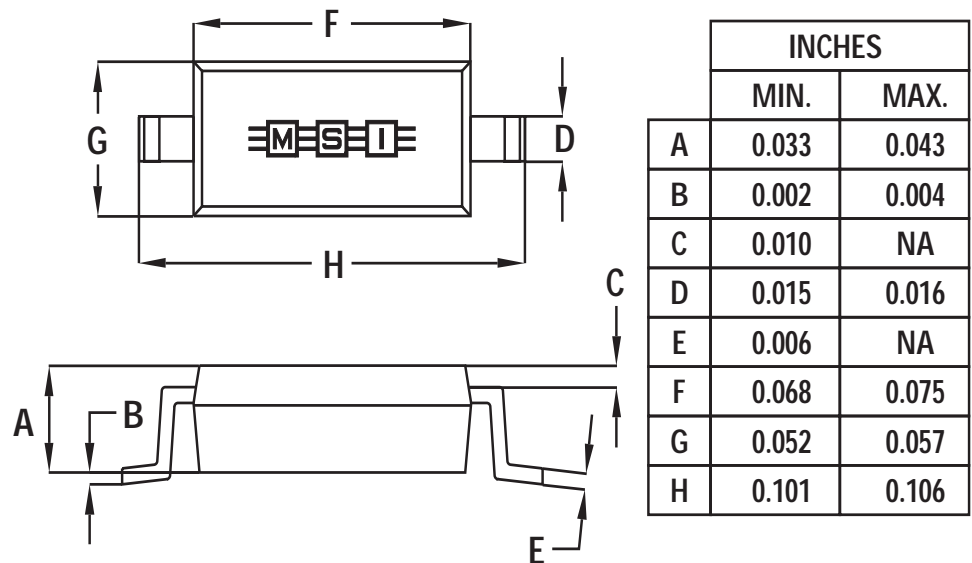
MECHANICAL DATA

PACKAGE STYLE	SOD-323, GULLWING LEAD
PACKAGE CONFIGURATION	2 LEAD SURFACE MOUNT
LEAD MATERIAL	COPPER ALLOY W/ TIN-LEAD PLATING
PACKAGE MATERIAL	MOLDED EPOXY

ELECTRICAL DATA

RESISTANCE RANGE	2Ω TO 1.5MΩ; CONSULT SALES FOR HIGHER VALUES
T.C.R.	±50ppm/°C STANDARD; TO ±5ppm/°C AVAILABLE
ABSOLUTE TOLERANCE	0.1%, 0.5%, 1%, 2%, 5%, AND 10%; FOR TOLERANCES <0.1%, CONSULT SALES
CURRENT NOISE	<-30dB TYPICAL
OPERATING VOLTAGE	100 V MAX.
POWER RATING	250 mW (70°C DERATED LINEARLY TO 150°C). $P = E^2/R$
SHORT TERM OVERLOAD	5X RATED POWER, 25°C, 5 SEC., ±0.25% MAX. ΔR/R: ±0.1% MSI TYPICAL
HIGH TEMP EXPOSURE	150°C, 100 HRS., ±0.25% MAX. ΔR/R: ±0.03% MSI TYPICAL
THERMAL SHOCK	MIL-STD 202, METHOD 107F, ±0.25% MAX. ΔR/R: ±0.1% MSI TYPICAL
MOISTURE RESISTANCE	MIL-STD 202, METHOD 106, ±0.5% MAX. ΔR/R: ±0.1% MSI TYPICAL
STABILITY	1000HRS., 70°C, 100% POWER, ±0.05% MAX. ΔR/R: ±0.05% MSI TYPICAL

DIMENSIONS

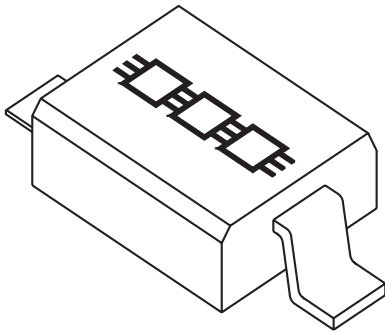


PART NUMBER DESIGNATION

PSOD-323SN	XXXXX	X	X
SERIES	OHMIC VALUE	TOLERANCE	OPTION
	5-Digit	B = 0.1%*	B = ±25ppm/°C
	Number: 1st	D = 0.5%*	C = ±10ppm/°C
	4 Digits Are	F = 1%	D = ±5ppm/°C
	Significant	G = 2%	Z = Commercial
	With "R" As	J = 5%	Inspection
	Decimal	K = 10%	
	Point When		
	Required.		
	5th Digit		
	Represents		
	Number of		
	Zeros.		

EXAMPLE: PSOD-323SN-300R0F-Z = 300Ω, ±1% Tol., ±50ppm/°C T.C.R.

* Value Dependent. Consult Sales.



MSI
MINI-SYSTEMS, INC.
THIN FILM DIVISION

45 FRANK MOSSBERG DRIVE, ATTLEBORO, MA 02703
508-226-2111 FAX: 508-226-2211

DCN TF 125-B-0698