













ESD

175

TSS

MOV

GDT

PLED

DSK22 THRU DSK210

Product specification





DSK22 THRU DSK210

FEATURES

- Ideal for surface mount applications
- Easy pick and place
- Built-in strain relief
- Low forward voltage drop

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Metallurgically bonded construction
- Polarity: Color band denotes cathode end
- Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DSK22 K22	DSK23 K23	DSK24 K24	DSK25 K25	DSK26 K26	DSK28 K28	DSK29 K29	DSK210 K210	UNITS
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current							•	•	
See Fig. 1	2.0						А		
Peak Forward Surge Current, 8.3 ms single half									
sine-wave superimposed on rated load (JEDEC	50						А		
method)									
Maximum Instantaneous Forward Voltage at 2.0A	0.55 0.70				0.85			V	
Maximum DC Reverse Current	0.1 0.02						mA		
at Rated DC Blocking Voltage	5 2					mA			
Typical Junction Capacitance (Note1)	170					pF			
Typical Thermal Resistance R JA (Note 2)	80					C/W			
Operating Temperature Range TJ	-65+150						°C		
Storage Temperature Range Tstg	-65 +150					°C			
Marking Code									

NOTES:

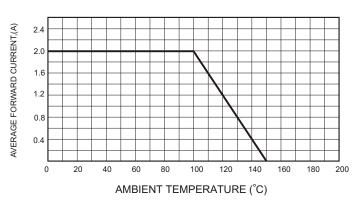
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Ambient.



RATINGAND CHARACTERISTIC CURVES (DSK22 THRU DSK210)







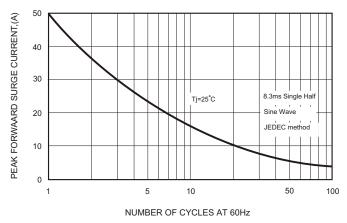


FIG.4-TYPICAL JUNCTION CAPACITANCE

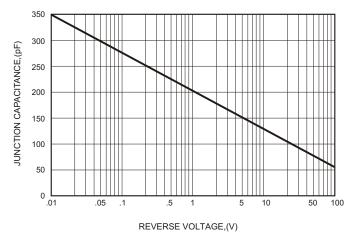


FIG.2-TYPICAL FORWARD

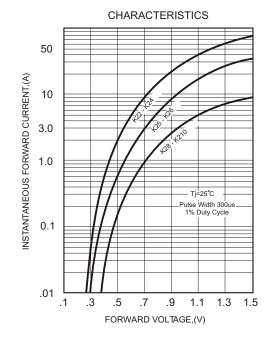
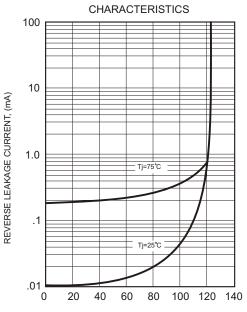


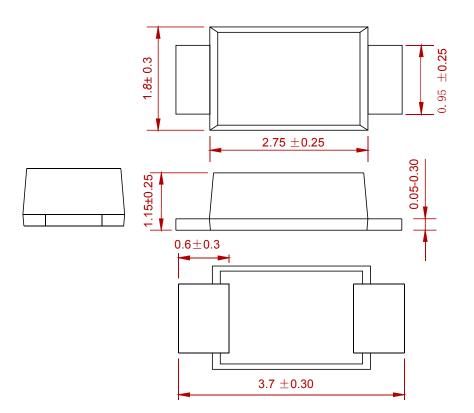
FIG.5 - TYPICAL REVERSE



PERCENTAGE RATED PEAK REVERSE VOLTAGE,(%)

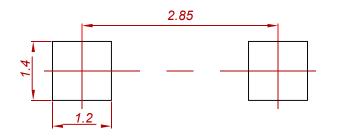


PACKAGE MECHANICAL DATA



Dimensions in millimeters

Suggested Pad Layout



Note:

1.Controlling dimension:in millimeters. 2.General tolerance:±0.05mm.

3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
DSK22 THRU DSK210	SOD-123FL	3000



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