

DRS301K THRU DRS307K

GLASS PASSIVATED BRIDGE RECTIFIERS VOLTAGE 50 to 1000 Volts CURRENT 3.0 Ampere

FEATURES

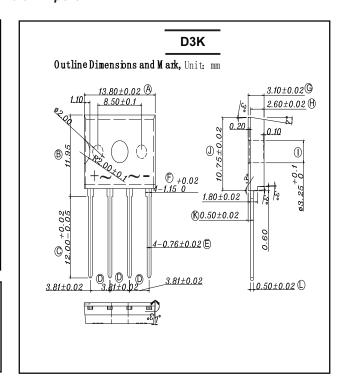
Glass passivated chip junction High case dielectric strength High surge current capability Ideal for printed circuit board

MACHANICAL DATA

Terminal:Plated leads solderable per MIL-STD 202E, Method 208C Case:UL-94 Class V-0 recognized Flane Retardant Epoxy Polarity:Polarity symbol marked on body Mounting position:any

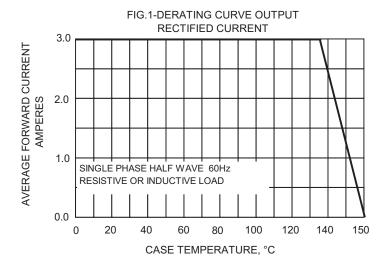
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTIS

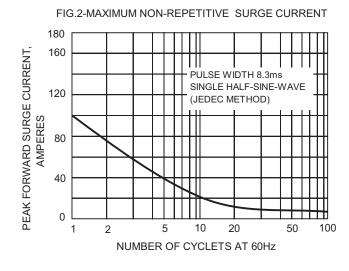
Rating at $25\,^{\circ}\text{C}$ ambient temperature unless otherwise specified. Single phase, half wave ,60 Hz, resistive or inductive load. For capa citive load , derate current by 20%

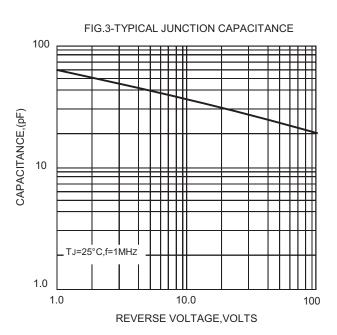


CHARACTER	RISTICS	SYMBOL	DRS301K	DRS302K	DRS303K	DRS304K	DRS305K	DRS306K	DRS307K	UNIT
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ Tc=138°C (with heatsink)		l(AV)	3							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		lғsм	100							А
Maximum Forward Voltage at 3.0A DC		VF	1.1						V	
I ² t Rating for Fusing (t<8.3ms)		l ² t	41.5						A ² s	
Typical Thermal Resistance	without heatsink	RθJa				55				
with heatsink		Rөjc	1.5						°C/W	
	without heatsink	Røjl				15				
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ Ta =25 °C @ Ta =125 °C	lr	1.0 500					μΑ		
Operating Temperature Range		TJ	-55 to +150						°C	
Storage Temperature Range		Тѕтс	-55 to +150						°C	

RATING AND CHARACTERISTICS CURVES (DRS301K THRU DRS307K)









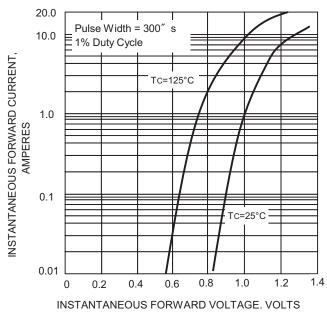
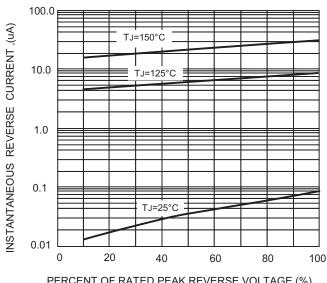


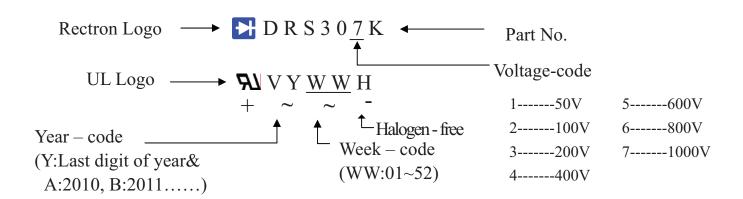
FIG.5-TYPICAL REVERSE CHARACTERISTICS



PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)



Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
D3K	-В	600	280*105*26	300*240*170	6,000	9.2

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
D3K	-C	1,500	450*154*60	470*340*210	9,000	20.89



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