

GLASS PASSIVATED BRIDGE RECTIFIERS
VOLTAGE 50 to 1000 Volts CURRENT 4.0 Ampere

FEATURES

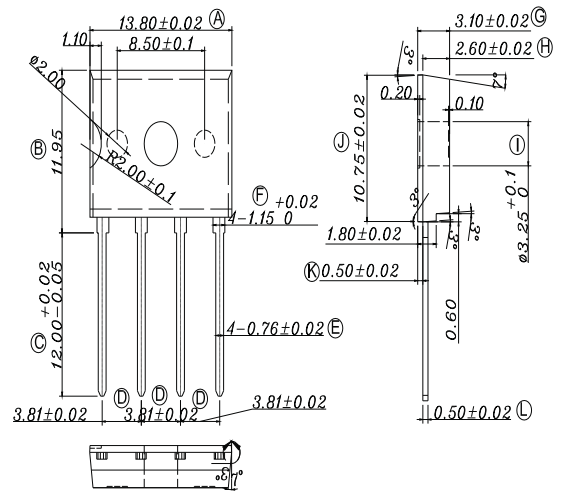
Glass passivated chip junction
High case dielectric strength
High surge current capability
Ideal for printed circuit board

MACHANICAL DATA

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

D3K

Outline Dimensions and Mark, Unit: mm

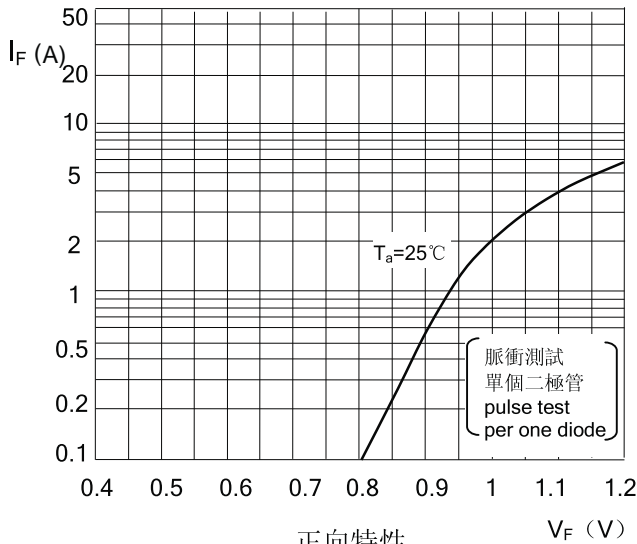


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

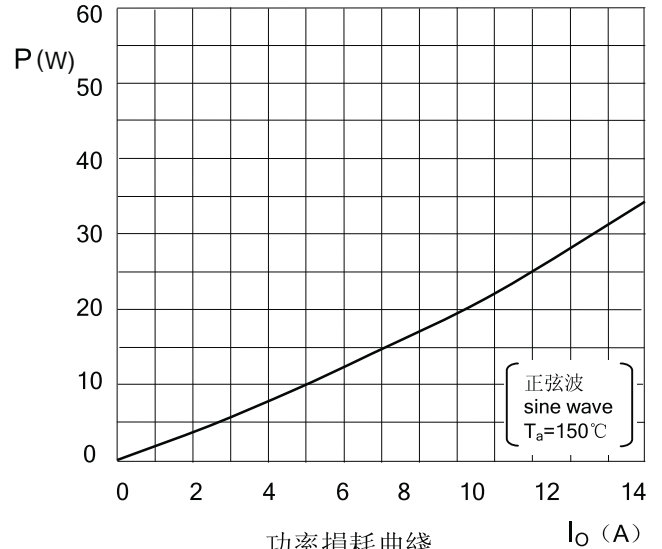
Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	DRS401K	DRS402K	DRS403K	DRS404K	DRS405K	DRS406K	DRS407K	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T _c =98 °C(with heatsink)	I _(AV)	4							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	150							A
Maximum Forward Voltage at 4.0A DC	V _F	1.1							V
I ² t Rating for Fusing (t<8.3ms)	I ² t	93.4							A ² s
Typical Thermal Resistance	without heatsink	R _{θJa}							°C/W
	with heatsink	R _{θJc}							
	without heatsink	R _{θJL}							
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ T _a =25°C	I _R							μA
	@ T _a =125°C	500							
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

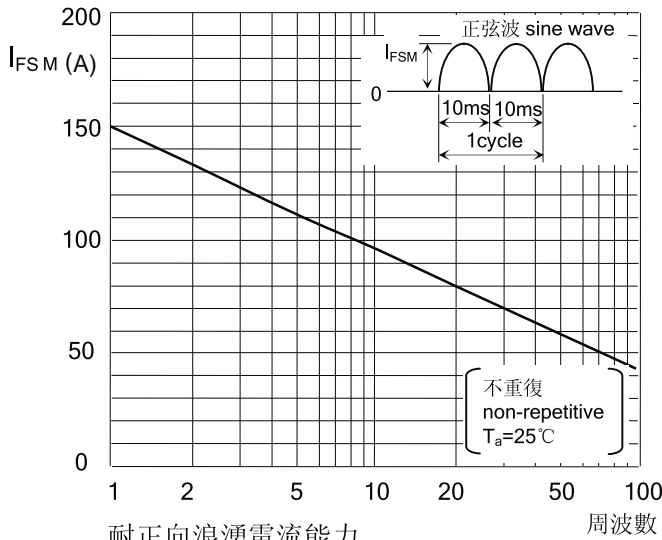
RATING AND CHARACTERISTICS CURVES (DRS401K THRU DRS407K)



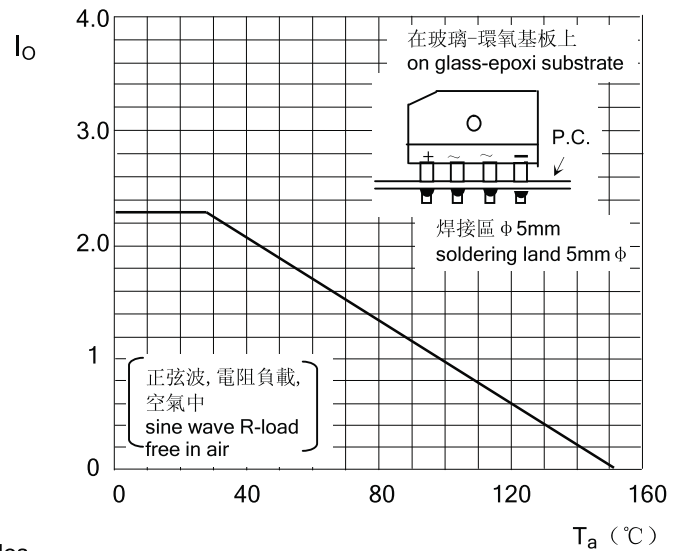
正向特性
Forward Characteristics



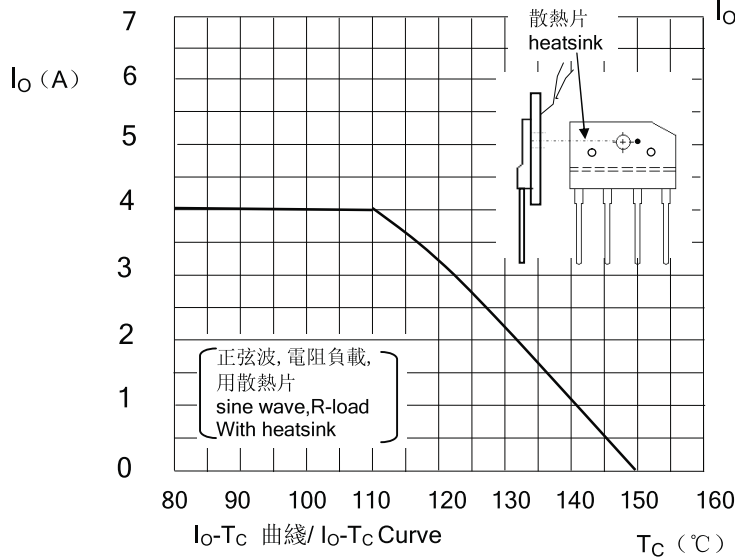
功率損耗曲線
P-I_O Curve



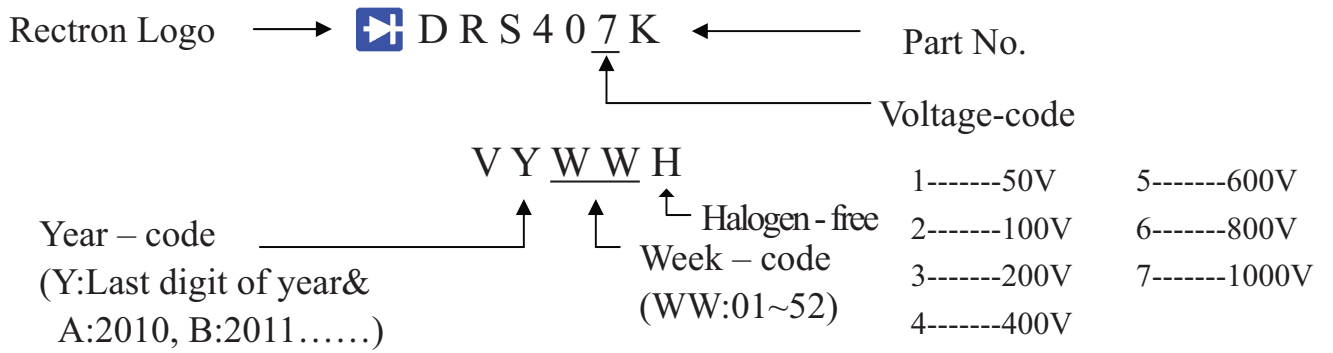
耐正向浪湧電流能力
Surge Forward Current Capability



I_O-T_a 曲線
I_O-T_a Curve



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	-B	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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