

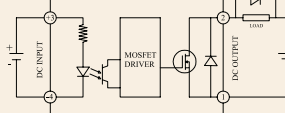
Series: 001/020 KDD

**DC SSR (60~200VDC)
10~100Amps**

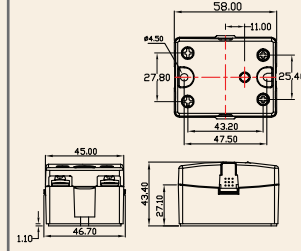
INPUT : DC Control
OUTPUT : Power Darlingon/MOSFET



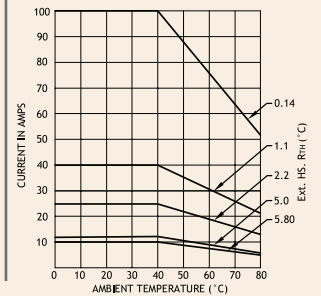
Schematic



Mechanical Drawing



Derating Curve



Salient Features

- Opto/Magnetic Isolation: 2500 VAC
- Compatible to TTL
- Power Darlingon / MOSFET / IGBT Output
- Very Low Power Dissipation
- Reverse Polarity Protection
- Microsecond Switching
- Panel/DIN Mountable

ELECTRICAL SPECIFICATION @ TA = 25°C			PRODUCT PART NUMBERS				
PARAMETER	SYMBOL	UNIT	001 KDD 061000	001 KDD 201200	020 KDD 202500	020 KDD 204000	020 KDD 0610000

INPUT

PARAMETER	SYMBOL	UNIT	001 KDD 061000	001 KDD 201200	020 KDD 202500	020 KDD 204000	020 KDD 0610000
Control Voltage Range		Vdc	4-32	4-32	4-32	4-32	4-32
Control Current Range		mA	15	15	15	15	15
Pick-up Voltage		Vdc	4.0	4.0	4.0	4.0	4.0
Drop-out Voltage		Vdc	1.0	1.0	1.0	1.0	1.0
Input Resistance		KOhms	2.1	2.1	2.1	2.1	2.1

OUTPUT

PARAMETER	SYMBOL	UNIT	001 KDD 061000	001 KDD 201200	020 KDD 202500	020 KDD 204000	020 KDD 0610000
Load Current	IT	A	10	12	25	40	100
Load Voltage	V	Vdc	60	200	200	200	60
Surge Current (Non-Rep)	ITSM	A	72	110	120	200	520
On state Voltage Drop	V _T	Vdc	1.6	1.6	1.6	1.6	1.6
Off state leakage Current @ Rated Voltage	I _{drm}	μA	100	100	100	100	100
Thermal Resistance	R _{TH}	°C/W	1.15	0.7	0.5	0.5	0.6
Turn-On	T-on	μs	500	600	600	600	600
Turn -Off	T-off	μs	800	2600	2600	2600	2600
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80

