

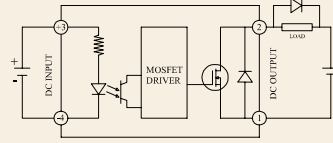
## Series: 001/020 KDD

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

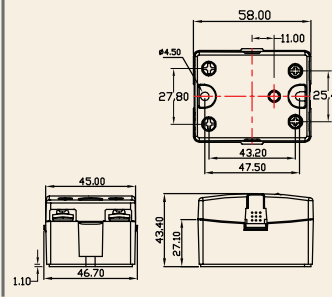
INPUT : DC Control  
OUTPUT : Power Darlington/MOSFET



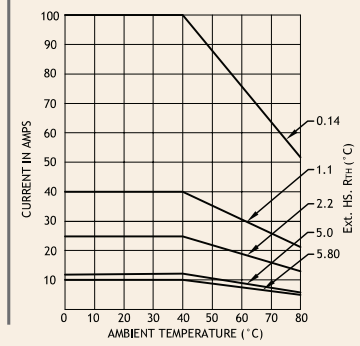
Schematic



Mechanical Drawing



Derating Curve



### Salient Features

- Opto/Magnetic Isolation: 2500 VAC • Compatible to TTL • Power Darlington / 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	VT	Vdc	1.6	1.6	1.6	1.6	1.6
Off state leakage Current @ Rated Voltage	Idrm	µA	100	100	100	100	100
Thermal Resistance	RTH	°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

