

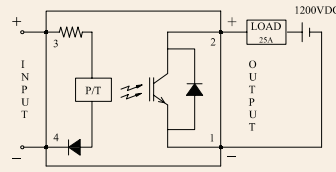
## Series: 018/020 KDD

**DC SSR (60~1200VDC)  
10~150Amps**

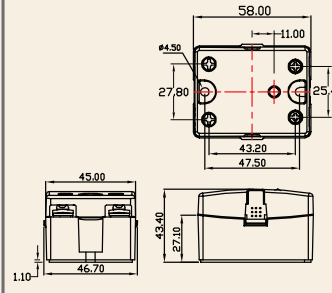
INPUT : DC Control  
OUTPUT : MOSFET/IGBT



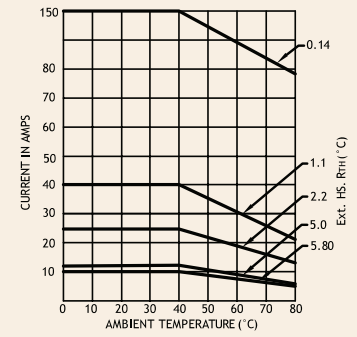
Schematic



Mechanical Drawing



Derating Curve



### Salient Features

- Opto/Magnetic Isolation: 2500 VAC • Compatible to TTL • Power 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	018 KDD 201200	020 KDD 401000	020 KDD 0615000	020 KDD 1202512	020 KDD 1204012

#### INPUT

PARAMETER	SYMBOL	UNIT	018 KDD 201200	020 KDD 401000	020 KDD 0615000	020 KDD 1202512	020 KDD 1204012
Control Voltage Range		Vdc	4-32	4-32	4-32	12-32	12-32
Control Current Range		mA	15	15	15	30	30
Pick-up Voltage		Vdc	4.0	4.0	4.0	12	12
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	018 KDD 201200	020 KDD 401000	020 KDD 0615000	020 KDD 1202512	020 KDD 1204012
Load Current	IT	A	12	10	150	25	40
Load Voltage	V	Vdc	200	400	60	1200	1200
Surge Current (Non-Rep)	ITSM	A	72	84	840	120	120
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	0.7	0.42	0.32	0.26	0.26
Turn-On	T-on	µs	600	600	600	800	800
Turn -Off	T-off	µs	2600	2600	2600	2600	2600
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80

