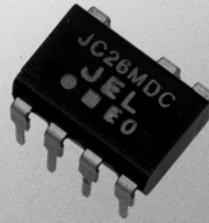


AC Solid State Relay



JC

SERIES

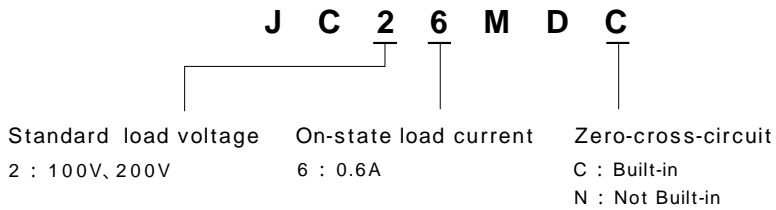


Features

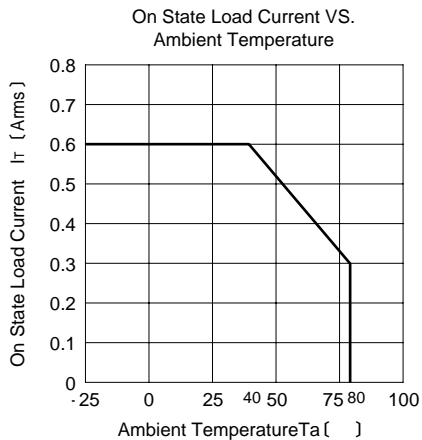
Small sized, 8pin dual inline package
Dielectric strength (Viso) between input and output 4,000Vrms

Conforms to Electrical Appliance
Resistration System (For the unit with
over 3.0mm distance between AC lines)

Type Information

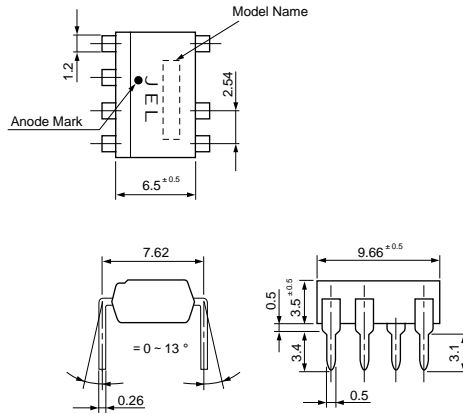


Characteristics

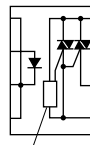


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Dimensions (mm)



Equivalent Circuit



Zero-cross circuit
(Applicable to JC-MDC Type)

- Cathod G
- Anode T₁
- Cathod T₂
- Cathod

(Note)Every lead pins should be soldered onto the PCB for heat dissipation.

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Absolute Maximum Ratings

(Ta = 25)

	Item	Symbols	JC26MDN/JC26MDC	Units
Output	Rated Line Voltage		120、240	V _{ACrms}
	On State Load Current	I _T	0.6	A _{rms}
	Peak 1 Cycle Surge Current	I _{SURGE}	6 (50Hz)	A
	Maximum Load Voltage	V _{OMAX}	280	V _{ACrms}
	Peak Repetitive Voltage	V _{DRM}	600	V
	Frequency	f	50、60	Hz
Input	Forward Current	I _F	50	mA
	Reverse Voltage	V _R	6	V
General	Dielectric Strength	V _{ISO}	4,000 (Rh40 ~ 60 %、AC60Hz、1 min.)	V _{rms}
	Operating Temperature	T _{OPR}	- 25 ~ + 80	
	Storage Temperature	T _{STG}	- 40 ~ + 125	
	Soldering Temperature	T _{SOL}	260 (10 sec.)	

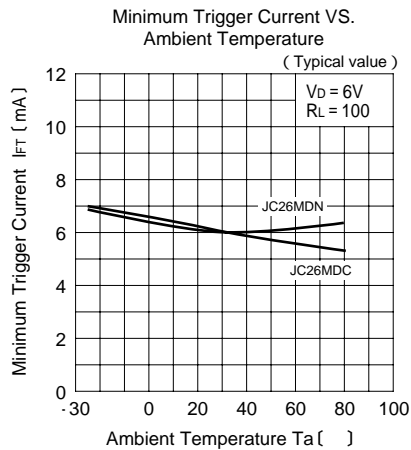
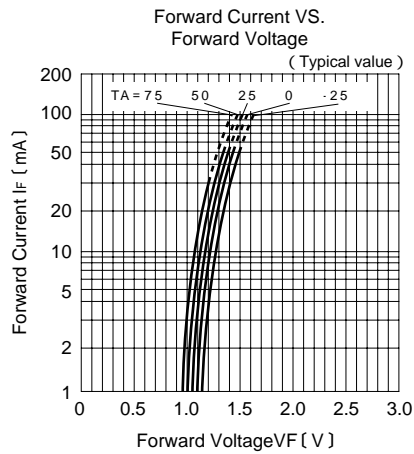
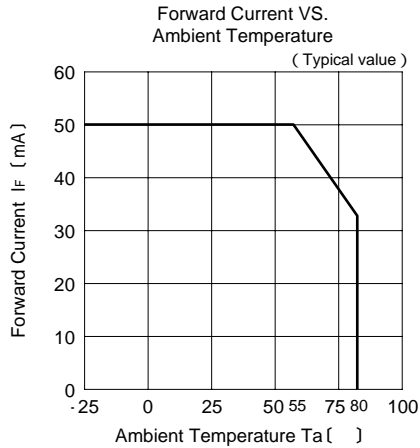
Electrical Characteristics

(Ta = 25)

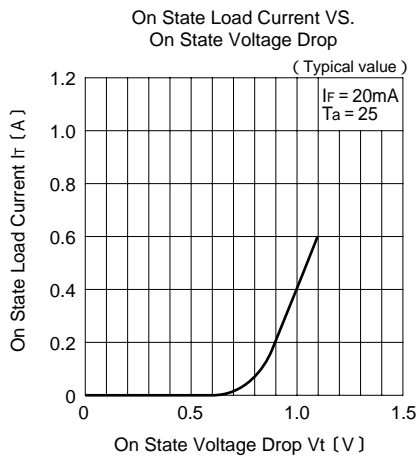
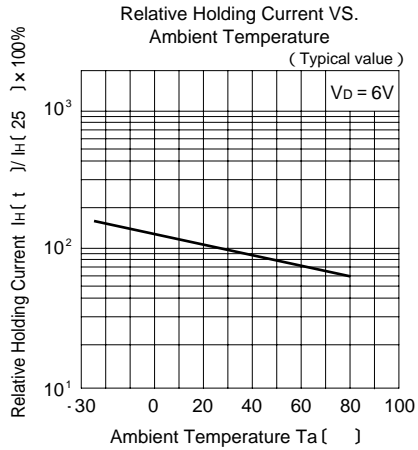
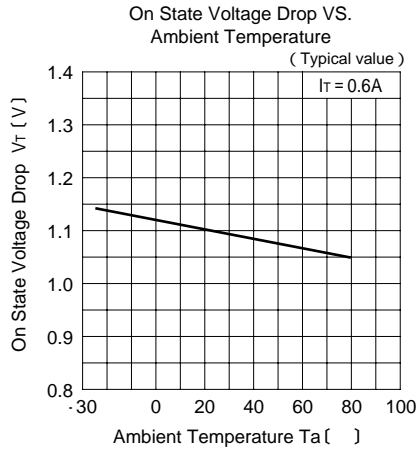
	Item	Symbols	Condition	MIN	TYP	MAX	Units
Output	Load Voltage Range	V _O		35		280	V _{ACrms}
	Peak Repetitive Current	I _{DRM}	V _{DRM} = 600V			100	μA
	On State Voltage Drop	V _T	I _T = 0.6A			3.0	V
	Holding Current	I _H	V _D = 6V			25	mA
	Off State dV/dt	dV/dt	V _D = 1/ 2 · V _{DRM} (600V)	100			V/ μs
	Zero Cross Voltage (JC-MDC)	V _{OX}	Resistance load、I _F = 15mA			35	V
Input	Forward Voltage	V _F	I _F = 20mA		1.2	1.4	V
	Reverse Current	I _R	V _R = 3V			10	μA
General	Minimum Trigger Current	I _{FT}	V _D = 6V、R _L = 100			10	mA
	Isolation Resistance	R _{ISO}	Rh40 ~ 60 %、DC500V	5 x 10 ¹⁰	10 ¹¹		
	Turn On Time	T _{ON}	JC26MDN (JC26MDC)			1 (10)	ms
	Turn Off Time	T _{OFF}				10	ms

* When phase control with Non-zero -cross unit (JC-MDN type), load current after sending input signal has to be more than 30 mA.

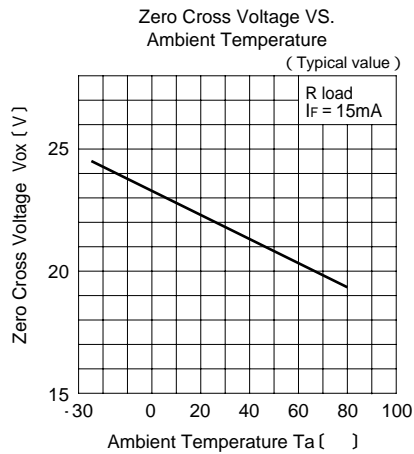
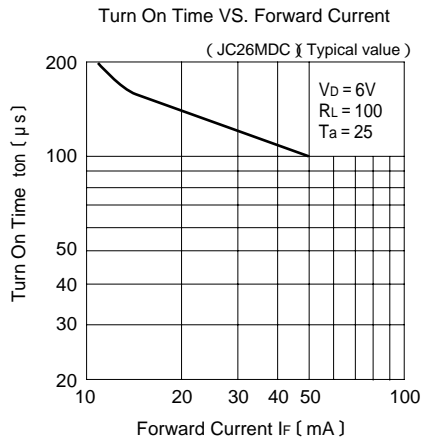
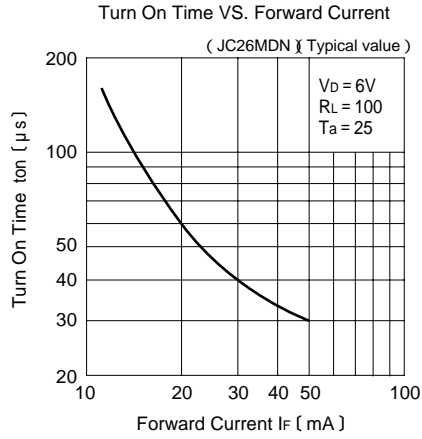
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