

MASSUSE SOLID STATE RELAY

Solid State Relay

MT1008DD MT20C16A MT20R16A

MT20C08A MT20R08A

MT20C12A MT20R12A

SPECIFICATION

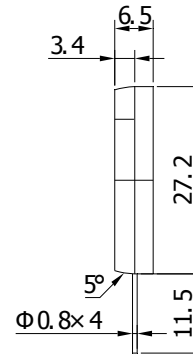
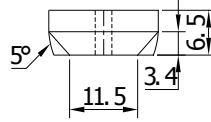
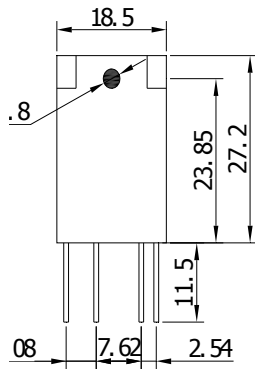
Model No.	Control Voltage Range	Must Turn Off Voltage	Input Impedance	Max. Load Current	Load Voltage Range	Min Blocking Voltage	Max Off-State Leakage	Frequency Range	Max 1-Cycle Peak Surge
MT1008DD	3 to 32VDC	Max1.0VDC	1.5Kohm	8A	3-100VDC	400VDC	LESS 1mA	47 – 70HZ	80A
MT20C08A	3 to 32VDC	Max1.0VDC	1.5Kohm	8A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	80A
MT20C12A	3 to 32VDC	Max1.0VDC	1.5Kohm	12A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	120A
MT20C16A	3 to 32VDC	Max1.0VDC	1.5Kohm	16A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	160A
MT20R08A	3 to 32VDC	Max1.0VDC	1.5Kohm	8A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	80A
MT20R12A	3 to 32VDC	Max1.0VDC	1.5Kohm	12A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	120A
MT20R16A	3 to 32VDC	Max1.0VDC	1.5Kohm	16A	24-280VAC	600VAC	LESS 5mA	47 – 70HZ	160A

Model No.	Max Off State dv / dt	Max On-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input, Output - case	Turn On Time	Turn Off Time	Capacitance In-Out	Weight (g)
MT1008DD	200 V / μ SEC	1.2Vrms	10 ⁹ ohm	2500Vrms	–	Less 2mSee	Less 1/2 cycle	Less 15 pf	10 g
MT20C08A	200 V / μ SEC	1.5VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	10 g
MT20C12A	200 V / μ SEC	1.5VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	12g
MT20C16A	200 V / μ SEC	1.50VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	12g
MT20R08A	200 V / μ SEC	1.50VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	12g
MT20R12A	200 V / μ SEC	1.50VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	12g
MT20R16A	200 V / μ SEC	1.50VAC	10 ⁹ ohm	4000VACrms	–	Less 2mSee	Less 1/2 AC cycle	Less 15 pf	12g

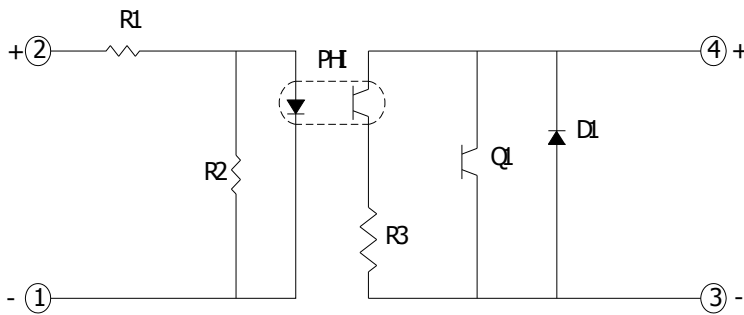
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Dimensions(unit: mm)

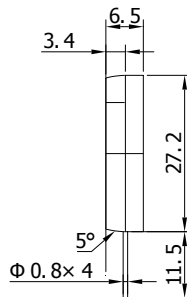
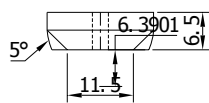
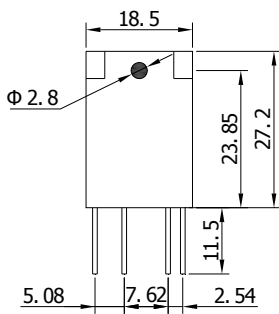
MT1008DD



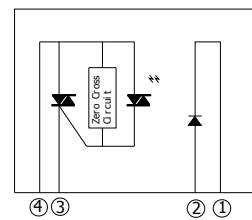
VALENT CIRCUIT



MT20C&MT20R



EQUIVALENT CIRCUIT



1. INPUT CIRCUIT
2. PHOTO DETECTOR
3. ZERO-CROSS CIRCUIT
4. OUTPUT CIRCUIT

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Characteristic Curves

