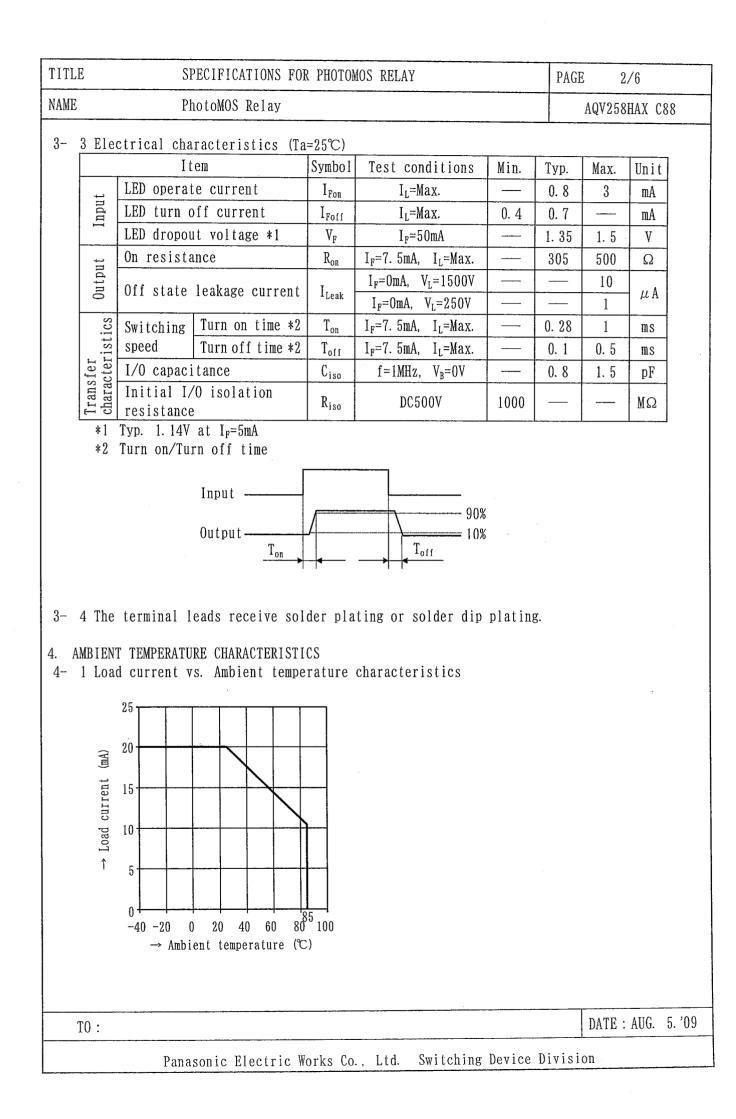
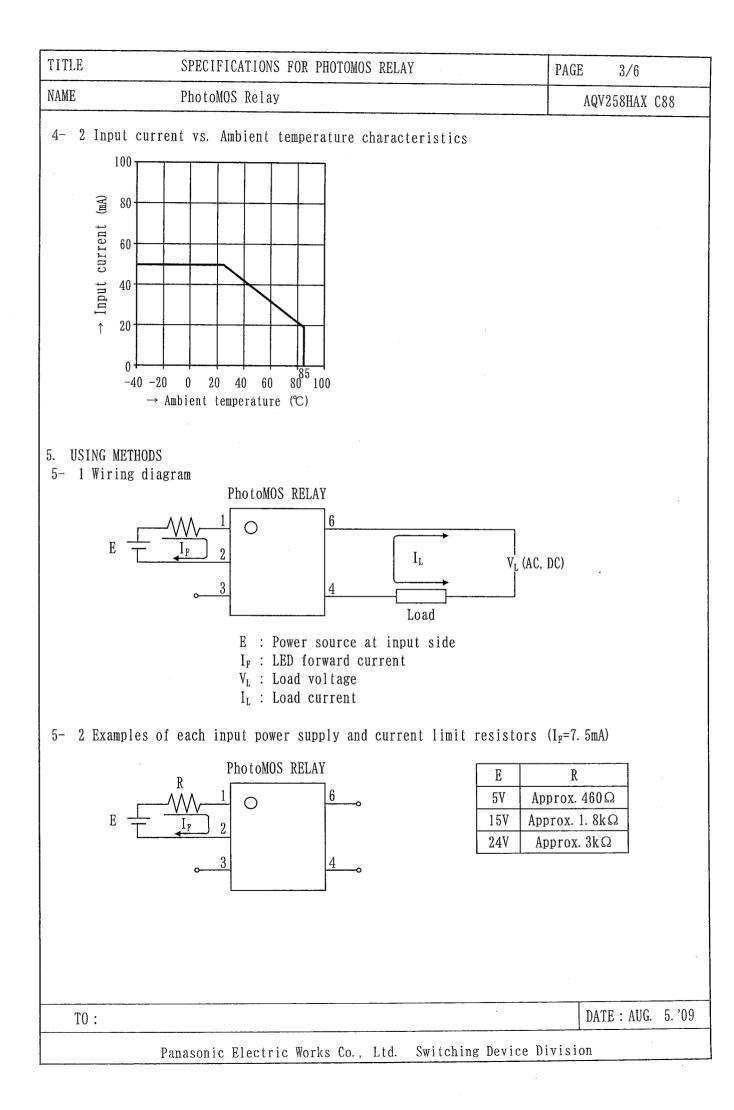
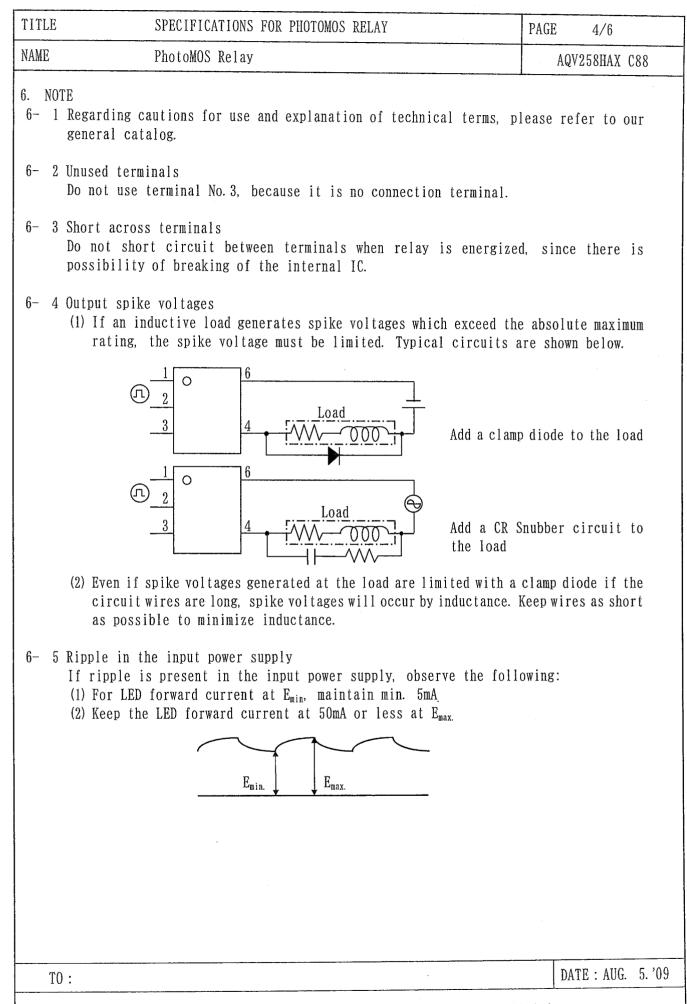
SPECIFICATIONS FOR PHOTOMOS RELAY			PA	IGE 1/6		
NAME PhotoMOS Relay						AQV258HAX C88
1. TYPE	; AG	W258HAX C88 HE 1a SMD ty	/pe			
					RFF	ERENCE ONLY
2. DRAWING NO.	; AG	VZ58HAX C88				AUG7.2009
3. CHARACTERIS					Pan	asonic Electric
3- 1 Equivalen	nt ci	ircuit			Voi Ise	rks Co.,Ltd. Factory
		+				
				-0 6		
		2 0				
		3 0		-0 4		
			]			
3- 2 Absolute	maxi	imum ratings (Ta=25°C)			Tr. • . ]	
		Item LED forward current	Symbol I <sub>F</sub>	Value 50	Unit mA	
	ut	LED reverse voltage	V <sub>R</sub>	5	V	
	Input	Peak forward current *1	I <sub>FP</sub>	1	A	
		Power dissipation	Pin	75	mW	
		Load voltage (Peak AC)	VL	1500	V	
Output	tput	Continuous load current *2	IL	0. 02	A	
	0u	Peak load current *3	I <sub>peak</sub>	0.06	A	
	Tot	Power dissipation al power dissipation	P <sub>out</sub> P <sub>T</sub>	<u>360</u> 410	mW mW	
		isolation voltage	V <sub>iso</sub>	5000 (AC)	V	
		perature Operating *4	T <sub>opr</sub>	-40 to 85	°C	
	Lim	its Storage	T <sub>stg</sub>	-40 to 100	°C	
		f=100Hz, Duty factor=0.1%				
		Peak AC/DC 100ms (1 shot), V <sub>L</sub> =DC				
		Non-condensing at low tempe	ratures			
				<i>л л</i>		
TO :		DESI	GNED	5. L	, li	DATE : AUG. 5. '09
Panasonic El	ectr	ic Works Co., Ltd. CHEC	KED	M. Miya	moto	
				1 11	0	







Panasonic Electric Works Co., Ltd. Switching Device Division

TITLE	SPECIFICATIONS FOR PHOTOMOS RELAY	PAGE 5/6					
NAME	PhotoMOS Relay	AQV258HAX C88					
6- 6	$\begin{array}{c c} T_{3} \\ T_{2} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} T_{2} \\ T_{3}=250 \ \text{C} \end{array}$	or less					
	(2) Soldering iron method Tip temperature : $350$ to $400^{\circ}$ C Wattage : $30$ to $60^{\circ}$ W Soldering time : Within $3s$ (3) Others						
	<ul> <li>Check mounting conditions before using other soldering methods hot plate, pulse heater, etc.)</li> <li>The temperature profile indicates the temperature of the sol the surface of the PC board. The ambient temperature may include Check the temperature under mounting conditions.</li> </ul>	ldered terminal on					
6- 7	<ul> <li>6- 7 Cleaning solvents compatibility The PhotoMOS relay forms an optical path by coupling a light-emitting diode (LED) and photodiode via light transmissive resin. For this reason, unlike other directory element molded resin products (e.g., MOS transistors and bipolar transistors), avoid ultrasonic cleansing if at all possible. We recommend cleaning with an organic solvent. If you cannot avoid using ultrasonic cleansing, please ensure that the following conditions are met, and check beforehand for defects.</li> <li>Frequency : 27 to 29kHz</li> <li>Ultrasonic output: No greater than 0. 25W/cm<sup>2</sup></li> </ul>						
	<ul> <li>Cleaning time : No longer than 30s</li> <li>Cleanser used : Asahiklin AK-225</li> <li>Others : Submerge in solvent in order to prevent the PCI being contacted directly by the ultrasonic</li> <li>Note; Applies to unit area ultrasonic output for ultrasonic bath</li> </ul>	vibrations.					
6- 8	<ul> <li>Transportation and storage</li> <li>(1) Extreme vibration during transport will warp the lead or dama Handle the outer and inner boxes with care.</li> <li>(2) Storage under extreme conditions will cause soldering degrappearance defects, and deterioration of the characteristic storage conditions are recommended: <ul> <li>Temperature: 0 to 45℃</li> <li>Humidity</li> <li>Less than 70%R. H.</li> <li>Atmosphere</li> <li>No harmful gasses such as sulfurous acid gas,</li> </ul> </li> </ul>	adation, external cs. The following					
T(	):	DATE : AUG. 5. '09					
	Panasonic Electric Works Co., Ltd. Switching Device D	ivision					

TITLE	SPECIFICATIONS FOR PHOTOMOS RELAY	PAGE 6/6
NAME	PhotoMOS Relay	AQV258HAX C88

## 7. WARRANTY

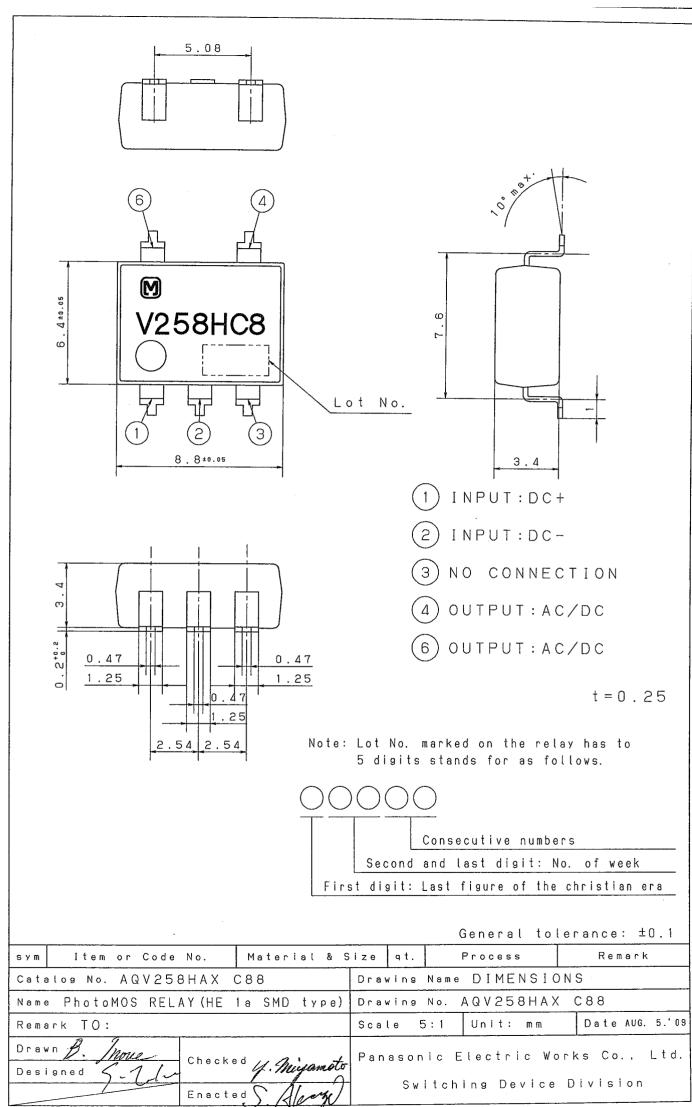
Panasonic Electric Works Co., Ltd. will do our utmost to keep our product to be free from defects. However:

- (1) To avoid uses of the product not in accordance with its specifications, Panasonic Electric Works asks the purchaser to present the purchaser's specification, the final destination, application of the final product and the method of installation of the product.
- (2) If the purchaser believes that the possibility exists that the installation or anticipated use of the product may cause personal injury, death or property damage, Panasonic Electric Works advises the purchaser to be broad-minded about conditions and performance requirements listed on this specification and to take precautions such as applying a double-circuit.
- (3) The warranty period of this product is one year from the date of arrival of the product at the location of the purchaser, and is limited to the listed items on this specification. If upon arrival any defect due to Panasonic Electric Works's failure to perform becomes apparent, Panasonic Electric Works will replace exchange or repair the defective product on the site where it was received.
  - The following are excluded from the warranty conditions:
  - ① Any consequential damages or loss of profits are resulting from malfunctions or defects of the product.
  - ② The product is affected by the use, the storage and the transport after the delivery.
  - ③ An unforeseen situation arises which was unable to be predicted by the technology level at the time of shipment.
  - ④ A natural or man-made disaster which is outside of Panasonic Electric Works's control occurs such as earthquake, flood, fire or social strife.

TO :

DATE : AUG. 5. '09

Panasonic Electric Works Co., Ltd. Switching Device Division



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 DC12
 G3CN-203P
 DC3-28

 G3RDX02SNUSDC12
 PLA134S
 DMP6202A
 DS11-1005
 AQ3A2-ZT432VDC
 AQV212J
 AQV214SD02
 AQV252GAJ
 AQW414EA

 AQY221R2SJ
 EFR1200480A150
 LCA220
 LCB110S
 1618400-5
 SR75-1ST
 AQV212AJ
 AQV238AD01
 AQV252GAXJ
 AQW414TS

 AQY210SXT
 AQY212ST
 AQY221N2V1YJ
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 G2-1A02-ST
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 G2-1A06-TT

 TT
 G2-1A23-TT
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 G3M-203PL-UTU-1
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